Index to volume 71

Author index

A

Adami GF, Scopinaro N, Cariati E, Bachi V, 22 (Abst.)
Adkinson NF Jr, 294
Agarwal MK, 454
Ahlstedt S, Jodal U, Marild S, Sjovall J, 18 (Abst.)
Ahmed T, 224
Alazia M, 552
Alpers J, 375
Amat G, Jean-Louis P, Loisy C, Centonze V, Pelage S, 20 (Abst.)
Andrac L, 363
Arbesman C, 597
Arbesman CE, 71
Arnaud A, 535, 552
Atkins PC, 394

B

Baldo BA, 261
Banerjee DK, 16 (Abst.)
Bardana EJ Jr, 519
Baser Y, 418
Bashirian S, 239
Basten A, 261
Baur X, 197
Beach RS, Gershwin EM, Hurley LS, 14 (Abst.)
Bedard P-M, 394
Bernstein IL, 597
Bhan A, 47
Bierman CW, 597
Blessing-Moore J, 184, 283
Block GT, Yeung M, 23 (Abst.)
Blomberg F, 324
Bluestone C, 442
Bocles JS, 597
Bonerandi JJ, 363
Borden EC, 382
Boulet L-P, 399
Bowers CH, 371
Bozelka B, 418
Brooks L, Cloutier M, Afshani E, 6 (Abst.)
Buckley CE III, 184
Budd TW, 277
Bunker-Soler AL, 412
Burns C, Ebersole J, Allansmith M, 24 (Abst.)
Burridge M, Baer G, Sumner J, Sussman O, 14 (Abst.)
Bush RK, 239
Busse WW, 382
Butler JM, 490
Butterfield JH, 454

C

Callaghan JT, 612
Callard RE, 261
Carlson RW, Schaeffer RC, Puri VK, Brennan AP, Weil MH, 11 (Abst.)
Carpenter GB, 412
Casselbrant ML, 442
Cartier A, 399
Cazin J Jr, 277
Center DM, 29
Chan SC, 490
Chapman KR, 317
Charpin J, 363, 535, 552
Chaussade M, 425
Chen PY, 250 (Allergy grand rounds)
Chesrown SE, 62
Cheung N-KV, 283
Chiu JT, 560
Clayton WF, 71
Coghlan TH, 448
Cogswell JJ, El-Bishti MM, 3 (Abst.)
Cohen SH, 407
Collum LMT, Cassidy HP, Benedict-Smith A, 9 (Abst.)
Cook LJ, Freinkel RK, Zugerman C, Levin DL, Radtke R, 25 (Abst.)
Cummings NP, 245
Curd JG, 498, 580

D

Dahlberg MJE, 36
Dally MB, 5
Dandeu JP, 588
David B, 588
Dawson KP, Fergusson DM, 23 (Abst.)
DeSano E, Hurley S, 21 (Abst.)
deShazo RD, 418
Dick EC, 382
Diem JE, 468
Dolovich J, 399
doPico GA, Jacobs S, Flaherty D, Rankin J, 3 (Abst.)
Dor PJ, 363
Doyle WJ, 442
Duburque B, 425
Dugue P, 535
Duxbury A, Watts D, Ead R, 21 (Abst.)
Dyer J, 206

E

Ehring F, Loth H, 10 (Abst.)
Eigen H, Laughlin JJ, Homrighausen J, 24 (Abst.)
Elias JM, 177
Epinette WW, 612

F

Fabbri LM, 468
Fairshter RD, 498
Faustman D, Lacy P, Davie J, Hauptfeld V, 20 (Abst.)
Fearon DT, 520
Ferguson AC, 21
Filley WV, Kephart GM, Holley KE, Gleich GJ, 15 (Abst.)
Fink JN, 389, 407
Fireman P, 442
Fitzgibbon B, 375
Fogarty M, 519
Ford RPK, Taylor B, 21 (Abst.)
Fraboulet G, 425
Frey MJ, 62
Friedman RA, 442

G

Gad El Rab MO, 345
Geha RS, 47
Gellis S, 324
Gent M, 317
Georgitis JW, 71
Gervais P, 425
Gleich GJ, 454
Godfrey HP, 177

January (part 1), pp. 1-88; February, pp. 177-260; March, pp. 261-356; April, pp. 357-436; May, pp. 437-518; June, pp. 519-650.

Abstracts: January, pp. 1-4; February, pp. 5-8; March, pp. 9-12; April, pp. 13-16; May, pp. 17-22; June, pp. 23-27.

Gold WM, 62
Goodall R, Earis J, Cooper D, Bernstein A, Temple J, 1 (Abst.)
Grammer LC, 250 (Allergy grand rounds)
Greenberger PA, 541
Griffin MP, 331

H

Hale R, 18
Hällgren R, Nôu E, Arrendal H, Hiesche K, 25 (Abst.)
Hanifin JM, 490
Hanna MG Jr, Key ME, 2 (Abst.)
Harbeck RJ, 212
Hargreave FE, 357, 399
Harries MG, 505
Harris KE, 604
Hasegawa M, 230
Hattikudur N, Rao Shanta S, Shahani S, Shastri P, Thakker P, Bordekar A, 14 (Abst.)
Hawkins R, 5
Hemady Z, 324
Hendrick DJ, 468
Herman JJ, 339
Hirschman CA, Peters J, Cartwright-Lee I, 7 (Abst.)
Hoffman DR, 193, 481
Holness DL, Taraschuk IG, Goldstein RS, 15 (Abst.)
Howdle PD, Bullen AW, Losowsky MS, 19 (Abst.)
Howe W, 5
Hudson P, 193

I

Ilfeld D, Weil S, Kuperman O, 18 (Abst.)
Ipsen H, 40

J

Jarisch R, Eibl M, Sandor I, Boltz A, 5 (Abst.)
Jones RT, 36

K

Kagen SL, 389
Kaliner M, 57, 206
Kaplan AP, 177
Katz R, 597
Kay AB, 345
Kemeny DM, 505
—, Mijachi S, Platts-Mills TAE, Wilkins S, Lessof MH, 20 (Abst.)
Kidd JM III, 407
King MM, 224
Kirkpatrick CH, 212
Kjellen G, Tibbling L, Wranne B, 9 (Abst.)
Krainson JF, 224
Krillis S, 261
Kuo CY, 277
Kurup VP, 389

L

Larrick JW, 184
Lauria F, Pulvirenti A, Raspadori D, Tura S, 13 (Abst.)
Lavker RM, 12, 437
Law JS, 5
Lazarus SC, 62
Le Mao JL, 588
Lessof MH, 505
Leung DYM, 47
Levy D, 184
Lewiston NJ, 283
Lieberman PL, 597
Littner MR, Ulreich S, Putman CE, Rosenfield AT, Meadows G, 4 (Abst.)
Løwenstein H, 40, 461
Lumry WR, 580
Lux M, 588
Lyanga J, McPhillips-Feener S, Warrington R, 8 (Abst.)

M

MacDonald N, 331
McFadden ER Jr, 311, 331
McGee JO, Woods JC, Ashall F, Bramwell ME, Harris M, 18 (Abst.)
McIntyre E, 375
McKenna WR, 277
MacKenzie-Mills M, 505
MacLean CMU, 345
Machamer CE, 184
Mansfield LE, 371, 546
Manzara T, 212
Marom Z, 57
Martin AJ, Landau LI, Phelan PD, 17 (Abst.)
Mathison DA, 574
Mattucci K, 597
Meltzer EO, 568, 597
Merlin S, 206
Middleton E Jr, 597
Miles RM, 36
Miller JR, 568
Mills D, 266
Minson R, 375
Mizrahi EA, 294
Mjörndal TO, 62
Mogi G, Maeda S, 5 (Abst.)
Morris HG, 245, 266
Morrison BJ, 21
Mueller UR, 71
Murray AB, 21

N

Naclerio R, 294
Natbony SF, 177
Nelson HS, 412
Newman Taylor AJ, 5
Nizankowska E, 552
Nordberg J, 418
Norman PS, 302
Novey HS, 498
Noyes J, 597
Nyholm L, 461

O

Oates JA, 189
O'Byrne P, 357
Ohta K, 212
Orgel HA, 568
Ortolani C, Miadonna A, Adami R, Restuccia M, Zanussi C, 1 (Abst.)
Østerballe O, 40
—, Løwenstein H, Malling H-J, Petersen BN, 17 (Abst.)
Otto H, 375

P

Parker JL, 36
Patterson R, 250 (Allergy grand rounds), 541, 604, 618
—, Greenberger PA, Radin RC, Roberts M, 10 (Abst.)
Paull BR, 448
Pearlman DS, 597
Pence HL, 597
Petersen BF, 612
Petrovic J, Trajkovic D, Radojcic M, Matic G, Milovanov N, Todorovic O, 25 (Abst.)
Phillips ME, 177
Pleskow WW, 574, 580

R

Rabillon J, 588
Raison RL, 261
Rapoport S, Bookstein JJ, Higgins CB, Carey PH, Sovak M, Lasser ED, 11 (Abst.)
Rauls DO, 546
Rebuck AS, 317
Reed BR, 62
Reid MJ, 283
Reimann BEF, 546
Reinberg A, 425
Reisman RE, 18, 71
Ricketti AJ, 541
Roberts LJ II, 189
Roberts RS, 399
Rocklin RE, 324
Rosario-Filho NA, 6 (Abst.)
Rosenberg GL, 302
Rosenthal RR, 302
Ruffin R, 375
Rupp GH, Friedman RA, 4 (Abst.)
Ryan A, Cleveland P, Hartman M, Catanzaro A, 13 (Abst.)

S

Salness K, 498
Salvaggio J, 418
Sampson HA, 473
Sapene M, 363
Schatz M, 574
Schlagel GD, 184
Schneeberger EE, 47
Schwartz HJ, 487
Schwartz HR, McDuffie FC, Black LF, Schroeter AL, Conn DL, 7 (Abst.)
Senft M, 535, 552
Sheffer AL, 311, 519
Shelhamer JH, 57
Shepperdson FT, 266
Sherman NA, 266
Shida T, 77
Shimizu T, 77
Silvers WS, 266
Simon RA, 498, 574
Slavin RG, 597
Sly RM, 515
Sohnle PG, 389
Sosman AJ, 407
Soter NA, 311
Spector SL, 597
Stechschulte DJ, 519
Steimel LA, 612
Stevens S, 490
Stevenson DD, 574, 580
Strunk RC, 245
Sunder T, Balsam M, Vengrow M, 2 (Abst.)
Swenson CA, 382

T

Thomson NC, 357, 399
Ting S, 12, 437, 546
Topping MD, 5
Townley RG, 230
Treuhaft MW, 382
Turk J, 189

V

Venables KM, 5
Vervloet D, 363, 535, 552
Vinson SB, 448
Voss MJ, 239

W

Warren K, 206
Weeke B, 40
Weill H, 418
Welsh PW, 454
Wilkinson AH, 345
Wilson BA, Jackson PJ, Evans J, 17 (Abst.)
Wood CL, 193
Wypych JI, 18, 71

Y

Yang G, 283
Yasueda H, 77
Yoo TJ, 277
—, Stuart JM, Kang AH, Townes AS, Tomoda AS, Dixit S, 19 (Abst.)
Yost JA, 184
Youlten LJF, 505
Yui Y, 77
Yunginger JW, 36, 454, 461

Z

Zeiger RS, 574, 580
Zeiss CR, 604
Zievesink SE, Hasper AP, Holden RW, Klatter EC, Brettani H, 24 (Abst.)
Zucker AR, Lacina SJ, Das Gupta DS, Fozzard HA, Mehlman D, Butler VP, Haber E, Smith TW, 11 (Abst.)
Zweiman B, 12, 394, 437

Subject index

A

Adrenergic bronchodilator, oral, timed effects on pulmonary function and plasma and leukocyte cyclic AMP, divergence in duration of drug action and tolerance development (Morris HG et al), 266

Airway challenges of dogs with toluene diisocyanate, immunologic and respiratory responses (Patterson R et al), 604

histamine-receptor function, modification with methylprednisolone succinate (Ahmed T et al), 224

reactivity of asthmatics, short- and long-term effects of cromolyn sodium on (Griffin MP et al), 331

Albumin-bound isocyanates, different, immunologic cross-reactivity between (Baur X), 197

Allergen(s), airborne, potent ("green nimitti" midge *Cladotanytarsus lewisi*), prevalence of asthma and rhinitis in Sudanese community seasonally exposed to (Kay AB et al), 345

from *Alternaria alternata*, two major, immunochemical partial identity (Nyholm L et al), 461

Biologic activity of purified *Alternaria* fraction (Alt-I) (Miles RM et al), 36

detection by crossed radioimmunoelectrophoresis (Bush RK and Voss MJ), 239

basic peptide, isolated and characterized: antigens of *Alternaria* (Budd TW et al), 277

-controlled study of intranasal immunotherapy for ragweed hay fever (Welsh PW et al), 454

in egg white, immunochemical identification of (Hoffman DR), 481

major, from Japanese cedar *(Cryptomeria japonica)* pollen, isolation and partial characterization (Yasueda H et al), 77

Allergenic and antigenic composition (compared) of two partially purified extracts from *Dermatophagoides farinae* and *Dermatophagoides pteronyssinus* mite cultures (Le Mao J et al), 588

molecules, specific IgE response toward, during perennial hyposensitization (Osterballe O et al), 40

Allergic asthma, corticosteroids in, circadian changes in effectiveness of (Reinberg A et al), 425

bronchopulmonary aspergillosis, immediate-type reactions in (Ricketti AJ et al), 541

staging as aid to management, 10 (Abst.)

disease, tropical populations protected from, by hyperimmunoglobulinemia-E (Larrick JW et al), 184

-like late response to compound 48/80, compared with late cutaneous reaction induced by kallikrein injection (Dor PJ et al), 363

rhinitis, grass, local nasal immunotherapy for (Georgitis JW PJ et al), 71

seasonal, combined H_1- and H_2-receptor blocking agents in treatment of (Carpenter GB et al), 412

skin reactions, human, cromolyn not modulating in vivo (Ting S et al), 12

terbutaline modulation of (Ting S et al), 437

subjects, abnormal beta-adrenergic responsiveness in. II. Role of selective $beta_2$-adrenergic hyporeactivity (Shelhamer JH et al), 57

and vernal kerato-conjunctivitis, cromolyn in, 9 (Abst.)

Allergy in asthmatic children, natural history of, followed to adult life, 17 (Abst.)

bee sting, highly specific RAST for bee venom antigens and its application to (Kemeny DM et al), 505

to dental amalgam, 21 (Abst.)

fire ant, diagnosis of, fire ant venom and whole body extract compared in (Paull BR et al), 448

to honeybee body components, distinction from bee venom sensitivity (Reisman RE et al), 18

insulin, evaluation and management (Grammer LG et al), 250 (Allergy grand rounds)

physical, exercise-induced anaphylaxis as distinct form of (Sheffer AL et al), 311

Allograft rejection, prevention by immunization with donor blood depleted of Ia-bearing cells, 15 (Abst.)

Alopecia, clinical symptoms of, correlation with specific IgE in serum and nasal secretion, 1 (Abst.)

$Alpha_1$-antitrypsin genetic phenotypes in children with pulmonary diseases, 25 (Abst.)

Alternaria allergens. IV. Biologic activity of purified *Alternaria* fraction (Alt-I) (Miles RM et al), 36

detection by crossed radioimmunoelectrophoresis (Bush RK and Voss MJ), 239

alternata, two major allergens from, immunochemical partial identity (Nyholm L et al), 461

antigens, isolation and partial characterization of basic peptide allergen (Budd TW et al), 277

fraction, purified (Alt-I), biologic activity of (Miles RM et al), 36

Anaphylactic reactions to modified fluid gelatins (Vervloet D et al), 535

Anaphylactoid reactions, previously severe, to ionic contrast agents, metrizamide in patients with, 11 (Abst.)

Anaphylaxis, canine, experimental, in vivo, effect of beta-adrenergic stimulation on (Mjörndal TO et al), 62

exercise-induced, distinct form of physical allergy (Sheffer AL et al), 311

postprandial (Novey HS et al), 498

hypovolemia and permeability pulmonary edema associated with, 11 (Abst.)

sting, fatal, IgE and IgG antibodies against venoms in blood of victims of (Hoffman DR et al), 193

Anesthesia, general, adverse reactions to suxamethonium and other muscle relaxants under (Vervloet D et al), 552

Angioedema, danazol treatment of (Barbieri RL), 257; Reply (Fretwell MD and Altman LC), 257 (Correspondence)

neurological manifestations of, 2 (Abst.)

nonfamilial vibration-induced (Ting S et al), 546

Antibiotics and antihistamines, possible effect on oral contraceptive effectiveness, 21 (Abst.)

Antibody(ies), Ca 1, immunohistochemical detection of new marker for cancer cells in human tissues with, 18 (Abst.)

digoxin-specific, Fab fragments of, used to reverse ventricular fibrillation after digoxin ingestion in child, 11 (Abst.)

IgE, specific, evidence for, in tetrachlorophthalic anhydride asthma (Howe W et al), 5

and IgG, against venoms in blood of victims of fatal sting anaphylaxis (Hoffman DR et al), 193

monoclonal; *see* Monoclonal antibody

to purified bee venom proteins and peptides. I. Highly specific RAST for bee venom antigens and its application to bee sting allergy (Kemeny DM et al), 505

responses to impurities of penicillin in infants and rabbits, 18 (Abst.)

Anticholinergic and sympathomimetic combination therapy of asthma (Rebuck AS et al), 317

Antigen(s) of *Alternaria*. I. Isolation and partial characterization of basic peptide allergen (Budd TW et al), 277; *see also* Allergen(s), *Alternaria*

January (part 1), pp. 1-88; February, pp. 177-260; March, pp. 261-356; April, pp. 357-436; May, pp. 437-518; June, pp. 519-650.

Abstracts: January, pp. 1-4; February, pp. 5-8; March, pp. 9-12; April, pp. 13-16; May, pp. 17-22; June, pp. 23-27.

Antigen(s)—Cont'd
E in ragweed pollen extracts, standardization with monoclonal antibody–based enzyme immunoassay (Krillis S et al), 261
-induced local mediator release and cellular inflammatory responses in atopic subjects (Bedard P-M et al), 394
introduced into middle ear, humoral and cell-mediated immunity in peripheral blood after, 13 (Abst.)
mumps skin test, cell-mediated immunity to, in vivo and in vitro expressions correlated (Petersen BH et al), 612
Antigenic and allergenic composition (compared) of two partially purified extracts from *Dermatophagoides farinae* and *Dermatophagoides pteronyssinus* mite cultures (Le Mao J et al), 588
Antihistamines and antibiotics, possible effect on oral contraceptive effectiveness, 21 (Abst.)
Asbestos workers, depressed cell-mediated immunity in, analysis of (deShazo RD et al), 418
Aspergillosis, allergic bronchopulmonary, immediate-type reactions in (Ricketti AJ et al), 541
staging as aid to management, 10 (Abst.)
Aspirin-sensitive asthmatic, asthma improvement after rapid aspirin desensitization and maintenance treatment (Chiu JT), 560
rhinosinusitis/asthma: spectrum of adverse reactions to aspirin (Pleskow WW et al), 574
clinical syndrome and effects of aspirin administration (Lumry WR et al), 580
therapy, daily, failure of children with asthma to respond to (Cummings NP et al), 245
Asthma, allergic, corticosteroids in, circadian changes in effectiveness of (Reinberg A et al), 425
bronchial, eosinophil granule major basic protein in lungs of, identified by immunofluorescence, 15 (Abst.)
children with, failure to respond to daily aspirin therapy (Cummings NP et al), 245
hospitalized for, roentgenographic abnormalities in, significance of, 6 (Abst.)
emergency room radiography of: efficacy study, 24 (Abst.)
exercise-induced; *see* Exercise-induced asthma
and gastro-oesophageal reflux, relationship between, 1 (Abst.)
growth retardation in, role of calorie deficiency, 3 (Abst.)
improvement in aspirin-sensitive asthmatic after rapid aspirin desensitization and maintenance treatment (Chiu JT), 560
and increases in nonallergic bronchial responsiveness from seasonal pollen exposure (Boulet L-P et al), 399
induced by nickel, 23 (Abst.)
and rhinitis, prevalence in Sudanese community seasonally exposed to potent airborne allergen (''green nimitti'' midge, *Cladotanytarsus lewisi*) (Kay AB et al), 345
/rhinosinusitis, aspirin-sensitive: adverse reactions to aspirin (Pleskow WW et al), 574
tetrachlorophthalic anhydride, evidence for specific IgE antibody (Howe W et al), 5
treatment, oral theophylline and oral salbutamol in, 23 (Abst.)
Asthmatic(s), airway reactivity of, short- and long-term effects of cromolyn sodium on (Griffin MP et al), 331
aspirin-sensitive, asthma improvement after rapid aspirin desensitization and maintenance treatment (Chiu JT), 560
bronchial obstruction after esophageal acid perfusion in, 9 (Abst.)
children, house dust mite allergy in, positive history in diagnosis of (Murray AB et al), 21
natural history of allergy in, followed to adult life, 17 (Abst.)
ragweed-sensitive, inhalation challenge with ragweed pollen in (Rosenberg GL et al), 302
responses, prolonged, to inhaled methacholine (Thomson NC et al), 357
subjects, bronchial response to inhalation of ultrasonically nebulized distilled water, effect of atropine on (Fabbri LM et al), 468
Atopic dermatitis, IgE concentrations in, influence of dialysable transfer factor on, 5 (Abst.)
increased leukocyte histamine release with elevated cyclic AMP–phosphodiesterase activity in (Butler JM et al), 490
mononuclear cell infiltrate in, characterized using monoclonal antibodies (Leung DYM et al), 47
pathogenesis of, role of immediate food hypersensitivity in (Sampson HA), 473
vs. nonatopic subjects, IgE production in vitro by human blood mononuclear cells in (Hemady Z et al), 324
subjects, antigen-induced local mediator release and cellular inflammatory responses in (Bedard P-M et al), 394
Atropine, effect on bronchial response of asthmatic subjects to inhalation of ultrasonically nebulized distilled water (Fabbri LM et al), 468

B

Bee sting allergy, highly specific RAST for bee venom antigens and its application to (Kemeny DM et al), 505; *see also* Honeybee
venom, immune response to: antibody response to phospholipase A2 compared with response to inhalant antigens, 20 (Abst.)
proteins and peptides, purified, antibodies to. I. Highly specific RAST for bee venom antigens and its application to bee sting allergy (Kemeny DM et al), 505
sensitivity, distinction from allergy to honeybee body components (Reisman RE et al), 18
Beta-adrenergic receptors, spleen and lung, difference in susceptibility to desensitization by terbutaline (Hasegawa M and Townley RG), 230
responsiveness, abnormal, in allergic subjects. II. Role of selective $beta_2$-adrenergic hyporeactivity (Shelhamer JH et al), 57
stimulation, effect on experimental canine anaphylaxis in vivo (Mjörndal TO et al), 62
$Beta_2$-adrenergic hyporeactivity, selective, role in abnormal beta-adrenergic responsiveness in allergic subjects (Shelhamer JH et al), 57
Blood depleted of Ia-bearing cells, donor, immunization with, to prevent allograft rejection, 15 (Abst.)
Bradycardia, transient, during vespid venom immunotherapy, 8 (Abst.)
Bronchial asthma, lung tissues of, eosinophil granule major basic protein of, identified by immunofluorescence, 15 (Abst.)
carcinoma, smoking and circulating IgE in, 25 (Abst.)
hyperreactivity associated with tracheal gangliosides, 16 (Abst.)
relationship to recurrent pneumonia in children, 24 (Abst.)
obstruction after esophageal acid perfusion in asthmatics, 9 (Abst.)
response of asthmatic subjects to inhalation of ultrasonically nebulized distilled water, effect of atropine on (Fabbri LM et al), 468
responsiveness, nonallergic, from seasonal pollen exposure, asthma and increases in (Boulet L-P et al), 399
Bronchoconstriction, histamine-induced, inhaled verapamil in (McIntyre E et al), 375
Bronchodilator, adrenergic, oral, timed effects on pulmonary function and measurements of plasma and leukocyte cyclic AMP, divergence in duration of drug action and tolerance development (Morris HG et al), 266
Bronchopulmonary aspergillosis, allergic, immediate-type reactions in (Ricketti AJ et al), 541
staging as aid to management, 10 (Abst.)
Bronchospasm during excretory urography, lack of specificity for methylglucamine cation in, 4 (Abst.)

C

Calorie deficiency, role in growth retardation in asthma, 3 (Abst.)

Cancer cells, human, new marker for: immunohistochemical detection of antigen in human tissues with Ca 1 antibody, 18 (Abst.)
Canine; *see* Dog(s)
Carcinoma, bronchial, smoking and circulating IgE in, 25 (Abst.)
Cedar, Japanese *(Cryptomeria japonica)* pollen, major allergen from, isolation and partial characterization (Yasueda H et al), 77
Cell-mediated and humoral immunity in peripheral blood after antigen introduced into middle ear, 13 (Abst.)
immunity, depressed, in asbestos workers, analysis of (deShazo RD et al), 418
to gluten within the small intestinal mucosa in coeliac disease, 19 (Abst.)
to mumps skin test antigen, in vivo and in vitro expressions correlated (Petersen BH et al), 612
Cellular inflammatory responses and local mediator release, antigen-induced, in atopic subjects (Bedard P-M et al), 394
Chemoattractant factors for lymphocytes, rat mast cell–derived, identification (Center DM), 29
Chemotherapy of metastases enhanced by previous immunotherapy, 2 (Abst.)
Children with asthma, failure to respond to daily aspirin therapy (Cummings NP et al), 245
asthmatic, natural history of allergy in, followed to adult life, 17 (Abst.)
hospitalized, roentgenographic abnormalities in, significance of, 6 (Abst.)
eosinophilic nonallergic rhinitis in, 4 (Abst.)
with pulmonary diseases, alpha$_1$-antitrypsin genetic phenotypes in, 25 (Abst.)
recurrent pneumonia in, and relationship to bronchial hyperreactivity, 24 (Abst.)
Chronic obstructive pulmonary disease, association with hypocomplementemic urticarial vasculitis, 7 (Abst.)
Circadian changes in effectiveness of corticosteroids in eight patients with allergic asthma (Reinberg A et al), 425
Cladotanytarsus lewisi ("green nimitti" midge), prevalence of asthma and rhinitis in Sudanese community seasonally exposed to (Kay AB et al), 345
Coeliac disease, gluten within small intestinal mucosa in, cell-mediated immunity to, 19 (Abst.)
Colchicine correcting suppressor cell deficiency in familial Mediterranean fever, 18 (Abst.)
Collagen, type II, autoimmunity to, in otosclerosis and Meniere's disease, 19 (Abst.)
Complement (Fearon DT), 520 (Continuing Medical Education article)
Compound 48/80, allergic-like late response to, compared with late cutaneous reaction induced by kallikrein injection (Dor PJ et al), 363
Contrast agents, ionic, previously severe anaphylactoid reactions to, metrizamide in patients with, 11 (Abst.)
Corticosteroids in allergic asthma, circadian changes in effectiveness of (Reinberg A et al), 425
Cotton dust, acute exposure to: case of mill fever, 15 (Abst.)
Cromolyn not modulating human allergic skin reactions in vivo (Ting S et al), 12
sodium, short- and long-term effects on airway reactivity of asthmatics (Griffin MP et al), 331
in vernal and allergic kerato-conjunctivitis, 9 (Abst.)
Crossed radioimmunoelectrophoresis, detection of *Alternaria* allergens by (Bush RK and Voss MJ), 239
Cutaneous reaction, late, induction by kallikrein injection: compared with allergic-like late response to compound 48/80 (Dor PJ et al), 363
Cyclic AMP–phosphodiesterase activity, elevated, with increased leukocyte histamine release in atopic dermatitis (Butler JM et al), 490
Cyclic AMP—Cont'd
plasma and leukocyte, timed effects of oral adrenergic bronchodilator on measurements of, divergence of drug action and tolerance development (Morris HG et al), 266

D

Danazol treatment of angioedema (Barbieri RL), 257; Reply (Fretwell MD and Altman LC), 257 (Correspondence)
Dental amalgam, allergy to, 21 (Abst.)
Dermatitis, atopic; *see* Atopic dermatitis
Dermatophagoides farinae and *Dermatophagoides pteronyssinus* mite cultures, comparison of antigenic and allergenic composition of two partially purified extracts of (Le Mao J et al), 588
Desensitization, aspirin, and maintenance treatment, asthma improvement in aspirin-sensitive asthmatic after (Chiu JT), 560
and maintenance of clinical tolerance to penicillin, immunologic observations (Naclerio R et al), 294
Digoxin-specific antibodies, Fab fragments of, used to reverse ventricular fibrillation after digoxin ingestion in child, 11 (Abst.)
Dinitrochlorobenzene skin test in malignant melanoma, 10 (Abst.)
Disodium cromoglycate; *see* Cromolyn
Dog(s), airway challenges with toluene diisocyanate, immunologic and respiratory responses (Patterson R et al), 604
anaphylaxis in vivo, experimental, effect of beta-adrenergic stimulation on (Mjörndal TO et al), 62
Drugs, approved, unlabeled use of (Sly RM), 515 (Committee report)

E

Ear, middle, antigen introduced into, humoral and cell-mediated immunity in peripheral blood after, 13 (Abst.)
Egg-containing vaccines, safety for egg-allergic patients (Miller JR et al), 568
hypersensitivity, natural history, 21 (Abst.)
white, allergens in, immunochemical identification of (Hoffman DR), 481
Enzyme immunoassay, monoclonal antibody–based, for standardizing antigen E in ragweed pollen extracts (Krillis S et al), 261
Eosinophil counts and total serum IgE levels in trichuriasis, 6 (Abst.)
granule major basic protein identified by immunofluorescence in lung tissues of bronchial asthma patients, 15 (Abst.)
Eosinophilic nonallergic rhinitis in children, 4 (Abst.)
Epinephrine, intervention with, in hypotension associated with mastocytosis (Turk J et al), 189
Esophageal acid perfusion in asthmatics, bronchial obstruction after, 9 (Abst.)
Eustachian tube obstruction, immunologic-mediated: double-blind crossover study (Friedman RA et al), 442
Exercise-induced anaphylaxis, distinct form of physical allergy (Sheffer AL et al), 311
postprandial (Novey HS et al), 498
asthma, effects of positive end-expiratory pressure breathing on, 17 (Abst.)
and food-dependent anaphylaxis (Kidd JM et al), 407

F

Factor, transfer; *see* Transfer factor
Familial Mediterranean fever, correction of suppressor cell deficiency in, by colchicine, 18 (Abst.)
Fire ant venom hypersensitivity. I. Comparison of fire ant venom and whole body extract in diagnosis of fire ant allergy (Paull BR et al), 448
Fluocortin butyl, multi-center double-blind placebo-controlled trial in perennial rhinitis (Arbesman C et al), 597

Fluorometric and radioisotope-enzymatic assay procedures for measuring urinary histamine, compared (Warren K et al), 206
Food-dependent exercise-induced anaphylaxis (Kidd JM et al), 407
sensitivity, immediate, role in pathogenesis of atopic dermatitis (Sampson HA), 473
Fungal sensitization and marijuana smoking (Kagen SL et al), 389

G

Gangliosides, tracheal, associated with bronchial hyperreactivity, 16 (Abst.)
Gastro-oesophageal reflux and asthma, relationship between, 1 (Abst.)
Gelatins, modified fluid, anaphylactic reactions to (Vervloet D et al), 535
Genetic phenotypes of alpha$_1$-antitrypsin in children with pulmonary diseases, 25 (Abst.)
Gestational zinc deprivation in mice: persistence of immunodeficiency for three generations, 14 (Abst.)
Gluten within small intestinal mucosa in coeliac disease, cell-mediated immunity to, 19 (Abst.)
Grass-allergic rhinitis, local nasal immunotherapy for (Georgitis JW et al), 71
Growth retardation in asthma, role of calorie deficiency, 3 (Abst.)

H

H_1- and H_2-receptor blocking agents combined, in treatment of seasonal allergic rhinitis (Carpenter GB et al), 412
Hay fever, ragweed, intranasal immunotherapy for, allergen-controlled study (Welsh PW et al), 454
Histamine-induced bronchoconstriction, inhaled verapamil in (McIntyre E et al), 375
-receptor airway function, modification with methylprednisolone succinate (Ahmed T et al), 224
release, leukocyte; *see* Leukocyte histamine release
urinary, fluorometric and radioisotope-enzymatic assay procedures for measuring, compared (Warren K et al), 206
Honeybee body components, allergy to, distinction from bee venom sensitivity (Reisman RE et al), 18
venom IgE, measurement by modified microtiter solid-phase radioimmunoassay, reduction of interference by specific IgG (Cheung N-K et al), 283
House dust mite allergy, in asthmatic children, positive history in diagnosis of (Murray AB et al), 21
Human allergic skin reactions, cromolyn not modulating in vivo (Ting S et al), 12
terbutaline modulation of (Ting S et al), 437
blood mononuclear cells, IgE production in vitro by, in atopic vs. nonatopic subjects (Hemady Z et al), 324
cancer cells, new marker for: immunohistochemical detection of antigen in human tissues with Ca 1 antibody, 18 (Abst.)
diploid cell rabies vaccine, intradermal immunization with, 14 (Abst.)
tears, saliva, and serum, IgA antibody levels in, 24 (Abst.)
tonsillar IgE biosynthesis in vitro. I. Enhancement of IgE and IgG synthesis in presence of pokeweed mitogen by T-cell irradiation (Ohta K et al), 212
Humoral and cell-mediated immunity in peripheral blood after antigen introduced into middle ear, 13 (Abst.)
Hypradrenocorticism, iatrogenic, during topical steroid therapy, metabolic criteria, 25 (Abst.)
Hyperimmunoglobulinemia-E protecting tropical populations from allergic disease (Larrick JW et al), 184
Hypersensitivity, egg, natural history of, 21 (Abst.)
Hypocomplementemic urticarial vasculitis, association with chronic obstructive pulmonary disease, 7 (Abst.)
Hyposensitization, perennial, specific IgE response toward allergenic molecules during (Osterballe O et al), 40
possible to predict clinical effect of, 17 (Abst.)
Hypotension associated with mastocytosis, intervention with epinephrine in (Turk J et al), 189
Hypovolemia and permeability pulmonary edema associated with anaphylaxis, 11 (Abst.)

I

Ia-bearing cells, donor blood depleted of, immunization with, to prevent allograft rejection, 15 (Abst.)
Iatrogenic hyperadrenocorticism during topical steroid therapy, metabolic criteria, 25 (Abst.)
Idiopathic urticaria, chronic, histologic studies (Natbony SF et al), 177
IgA antibody levels in human tears, saliva, and serum, 24 (Abst.)
IgE antibody, specific, evidence for, in tetrachlorophthalic anhydride asthma (Howe W et al), 5
circulating, and smoking in bronchial carcinoma, 25 (Abst.)
concentrations in atopic dermatitis, influence of dialysable transfer factor on, 5 (Abst.)
honeybee venom, measurement by modified microtiter solid-phase radioimmunoassay, reduction of interference by specific IgG (Cheung N-K et al), 283
and IgG antibodies against venoms in blood of victims of fatal sting anaphylaxis (Hoffman DR et al), 193
human tonsillar, biosynthesis in vitro enhanced in presence of pokeweed mitogen by T-cell irradiation (Ohta K et al), 212
levels, serum, total, and eosinophil counts in trichuriasis, 6 (Abst.)
-mediated triethanolamine sensitivity, intractable sneezing due to (Herman JJ), 339
production in vitro by human blood mononuclear cells in atopic vs. nonatopic subjects (Hemady Z et al), 324
response, specific, toward allergenic molecule during perennial hyposensitization (Osterballe O et al), 40
specific, interference with modified microtiter solid-phase radioimmunoassay measuring honeybee venom IgE, reduced (Cheung N-K et al), 283
in serum, and nasal secretion correlation with clinical symptoms in alopecia, 1 (Abst.)
IgG and IgE antibodies against venoms in blood of victims of fatal sting anaphylaxis (Hoffman DR et al), 193
human tonsillar, biosynthesis in vitro, enhanced in presence of pokeweed mitogen by T-cell irradiation (Ohta K et al), 212
Immunization with donor blood depleted of Ia-bearing cells, prevention of allograft rejection by, 15 (Abst.)
intradermal, with human diploid cell rabies vaccine, 14 (Abst.)
Immunoassay, enzyme, monoclonal antibody–based, for standardizing antigen E in ragweed pollen extracts (Krillis S et al), 261
Immunochemical identification of allergens in egg white (Hoffman DR), 481
partial identity between two independently identified and isolated major allergens from *Alternaria alternata* (Alt-I and Ag 1) (Nyholm L et al), 461
Immunodeficiency (gestational zinc deprivation in mice), persistence for three generations, 14 (Abst.)
recurrent otitis media in association with, 5 (Abst.)
Immunofluorescence identifying eosinophil granule major basic protein in lung tissues of bronchial asthma patients, 15 (Abst.)
Immunologic(al) and clinical consequences of vasectomy, 14 (Abst.)
cross-reactivity between different albumin-bound isocyanates (Baur X), 197
-mediated eustachian tube obstruction (Friedman RA et al), 442

Immunologic(al)—Cont'd
observations during desensitization and maintenance of clinical tolerance to penicillin (Naclerio R et al), 294
and respiratory responses to airway challenges of dogs with toluene diisocyanate (Patterson R et al), 604
Immunotherapy, intranasal, for ragweed hay fever, allergen-controlled study (Welsh PW et al), 454
local intranasal, for grass-allergic rhinitis (Georgitis JW et al), 71
of metastases enhancing subsequent chemotherapy, 2 (Abst.)
vespid venom, transient bradycardia during, 8 (Abst.)
In memoriam, 87, 255, 353, 434
Inflammatory responses, cellular, in atopic subjects, antigen-induced local mediator release and (Bedard P-M et al), 394
Influenza A virus, effect on leukocyte histamine release (Busse et al), 382
Inhalant antigens, antibody response to, compared with response to phospholipase A2, 20 (Abst.)
Inhalation challenge with ragweed pollen in ragweed-sensitive asthmatics (Rosenberg GL et al), 302
Inhaled methacholine, prolonged asthmatic responses to (Thomson NC et al), 357
verapamil in histamine-induced bronchoconstriction (McIntyre E et al), 375
Insulin allergy, evaluation and management (Grammer LC et al), 250 (Allergy grand rounds)
Intradermal immunization with human diploid cell rabies vaccine, 14 (Abst.)
Intranasal immunotherapy, local, for grass-allergic rhinitis (Georgitis JW et al), 71
for ragweed hay fever, allergen-controlled study (Welsh FW et al), 454
Isocyanates, albumin-bound, immunologic cross-reactivity between (Baur X), 197

K

Kallikrein injection, induction of late cutaneous reaction by: compared with allergic-like late response to compound 48/80 (Dor PJ et al), 363
Kerato-conjunctivitis, vernal and allergic, cromolyn in, 9 (Abst.)

L

Leukocyte cyclic AMP, timed effects of oral adrenergic bronchodilators on measurements of, divergence of drug action and tolerance development (Morris HG et al), 266
histamine release, effect of influenza A virus on (Busse WW et al), 382
increased, with elevated cyclic AMP–phosphodiesterase activity in atopic dermatitis (Butler JM et al), 490
to thiopental, 7 (Abst.)
Lung and spleen beta-adrenergic receptors, difference in susceptibility to desensitization by terbutaline (Hasegawa M and Townley RG), 230
tissues of bronchial asthma patients, eosinophil granule major basic protein in, identified by immunofluorescence, 15 (Abst.)
Lymphocytes, chemoattractant factors for, rat mast cell–derived, identification (Center DM), 29

M

Marijuana smoking and fungal sensitization (Kagen et al), 389
Mast cell, rat, chemoattractant factors derived from, for lymphocytes, identification (Center DM), 29
Mastocytosis, hypotension associated with, intervention with epinephrine in (Turk J et al), 189
Melanoma, malignant, dinitrochlorobenzene skin test in, 10 (Abst.)
Meniere's disease, autoimmunity to type II collagen in, 19 (Abst.)
Metabisulfite, ingested, sensitivity to: variants in clinical presentation (Schwartz HJ), 487
Metastases, immunotherapy of, enhancing subsequent chemotherapy, 2 (Abst.)
Methacholine, inhaled, prolonged asthmatic responses to (Thomson NC et al), 357
Methylglucamine cation, lack of specificity for, in bronchospasm during excretory urography, 4 (Abst.)
Methylprednisolone succinate, modification of airway histamine-receptor function with (Ahmed T et al), 224
Metrizamide experience in patients with previously severe anaphylactoid reaction to ionic contrast agents, 11 (Abst.)
Mice, gestational zinc deprivation in: persistence of immunodeficiency for three generations, 14 (Abst.)
Microtiter solid-phase radioimmunoassay measuring honeybee venom IgE, modified, reduction of interference by specific IgG (Cheung N-K et al), 283
Midge, "green nimitti" *(Cladotanytarsus lewisi)*, prevalence of asthma and rhinitis in Sudanese community seasonally exposed to (Kay AB et al), 345
Migraine and mitral valve prolapse syndrome, 20 (Abst.)
Mill fever caused by acute exposure to cotton dust, 15 (Abst.)
Mite cultures, *Dermatophagoides farinae* and *Dermatophagoides pteronyssinus*, partially purified, comparison of antigenic and allergenic composition of (Le Mao J et al), 588
house dust, allergy to, in asthmatic children, positive history in diagnosis of (Murray AB et al), 21
Mitogen, pokeweed, IgE and IgG (human tonsillar) biosynthesis in vitro enhanced in presence of, by T-cell irradiation (Ohta K et al), 212
Mitral valve prolapse syndrome and migraine, 20 (Abst.)
Monoclonal antibody–based enzyme immunoassay for standardizing antigen E in ragweed pollen extracts (Krillis S et al), 261
used to characterize mononuclear cell infiltrate in atopic dermatitis (Leung DYM et al), 47
Mononuclear cell(s), human blood, IgE production in vitro by, in atopic vs. nonatopic subjects (Hemady Z et al), 324
infiltrate in atopic dermatitis, characterization using monoclonal antibodies (Leung DYM et al), 47
Mumps skin test antigen, cell-mediated immunity to, in vivo and in vitro expressions correlated (Petersen BH et al), 612
Muscle relaxants, suxamethonium and other, adverse reactions to, under general anesthesia (Vervloet D et al), 552

N

Nasal secretions and specific IgE in serum, correlation with clinical symptoms in alopecia, 1 (Abst.)
Neurological manifestations of angioedema, 2 (Abst.)
Nickel-induced asthma, 23 (Abst.)

O

Otitis media, recurrent, in association with immunodeficiency, 5 (Abst.)
Otosclerosis, autoimmunity to type II collagen in, 19 (Abst.)

P

Papain, systemic reaction to, in nonoccupational setting (Mansfield LE and Bowers CH), 371
Penicillin, desensitization and clinical tolerance to, immunologic observations (Naclerio R et al), 294
impurities of, antibody responses in infants and rabbits, 18 (Abst.)
Perennial hyposensitization, specific IgE response toward allergenic molecules during (Osterballe O et al), 40
Permeability pulmonary edema and hypovolemia associated with anaphylaxis, 11 (Abst.)
Phospholipase A2, antibody response to, compared with response to inhalant antigens, 20 (Abst.)
Plasma cyclic AMP, timed effects of oral adrenergic bronchodilator on measurements of, divergence of drug action and tolerance development (Morris HG et al), 266

Pneumonia in children, recurrent, and relationship to bronchial hyperreactivity, 24 (Abst.)
Pokeweed mitogen, IgE and IgG (human tonsillar) biosynthesis in vitro enhanced in presence of, by T-cell irradiation (Ohta K et al), 212
Pollen exposure, seasonal, asthma and increases in nonallergic bronchial responsiveness from (Boulet L-P et al), 399
of Japanese cedar *(Cryptomeria japonica)*, major allergen from, isolation and partial characterization (Yasueda H et al), 77
ragweed, inhalation challenge with, in ragweed-sensitive asthmatics (Rosenberg GL et al), 302
Positive end-expiratory pressure breathing, effects on exercise-induced asthma, 17 (Abst.)
Postprandial exercise-induced anaphylaxis (Novey HS et al), 498
Protein(s), major basic, in eosinophil granule, identified by immunofluorescence in lung tissues of bronchial asthma patients, 15 (Abst.)
and peptides, bee venom, purified, antibodies to: highly specific RAST for bee venom antigens and its application to bee sting allergy (Kemeny DM et al), 505
Pulmonary diseases, children with, alpha$_1$-antitrypsin genetic phenotypes in, 25 (Abst.)
function, timed effects of oral adrenergic bronchodilator on, divergence in duration of drug action and tolerance development (Morris HG et al), 266
reaction to durum wheat (constituent of grain dust), 3 (Abst.)

R

Rabies vaccine, human diploid cell, intradermal immunization with, 14 (Abst.)
Radiography of asthma, emergency room: efficacy study, 24 (Abst.)
Radioimmunoassay, microtiter solid-phase, modified, measuring honeybee venom IgE, reduction of interference by specific IgG (Cheung N-K et al), 283
Radioisotope-enzymatic and fluorometric assay procedures for measuring urinary histamine, compared (Warren K et al), 206
Ragweed hay fever, intranasal immunotherapy for, allergen-controlled study (Welsh PW et al), 454
pollen extracts, antigen E in, standardization with monoclonal antibody-based enzyme immunoassay (Krillis S et al), 261
inhalation challenge with, in ragweed-sensitive asthmatics (Rosenberg GL et al), 302
-sensitive asthmatics, inhalation challenge with ragweed pollen in (Rosenberg GL et al), 302
RAST, highly specific, for bee venom antigens and its application to bee sting allergy (Kemeny DM et al), 505
Rat mast cell–derived chemoattractant factors for lymphocytes identification (Center DM), 29
Receptor; *see* specific receptors
Respiratory and immunologic responses to airway challenges of dogs with toluene diisocyanate (Patterson R et al), 604
Rhinitis, allergic, seasonal, combined H_1- and H_2-receptor blocking agents in treatment of (Carpenter GB et al), 412
and asthma, prevalence in Sudanese community seasonally exposed to potent airborne allergen ("green nimitti" midge, *Cladotanytarsus lewisi)* (Kay AB et al), 345
eosinophilic nonallergic, in children, 4 (Abst.)
grass-allergic, local nasal immunotherapy for (Georgitis JW et al), 71
perennial, multi-center double-blind placebo-controlled trial of fluocortin butyl in (Arbesman C et al), 597
Rhinosinusitis, aspirin-sensitive: clinical syndrome and effects of aspirin administration (Lumry WR et al), 580
/asthma, aspirin-sensitive: adverse reactions to aspirin (Pleskow WW et al), 574
Roentgenographic abnormalities, significance in children hospitalized for asthma, 6 (Abst.)

S

Salbutamol, oral, and oral theophylline in treatment of asthma, 23 (Abst.)
Saliva, human, IgA antibody levels in, 24 (Abst.)
Serum, human, IgA antibody levels in, 24 (Abst.)
IgE levels, total, and eosinophil counts in trichuriasis, 6 (Abst.)
specific, and nasal secretion correlation with clinical symptoms in alopecia, 1 (Abst.)
Skin reactions, allergic, human, cromolyn not modulating in vivo (Ting S et al), 12
terbutaline modulation of (Ting S et al), 437
test antigen, mumps, cell-mediated immunity to, in vivo and in vitro expressions correlated (Petersen BH et al), 612
dinitrochlorobenzene, in malignant melanoma, 10 (Abst.)
Smoking and circulating IgE in bronchial carcinoma, 25 (Abst.)
Sneezing, intractable, due to IgE-mediated triethanolamine sensitivity (Herman JJ), 339
Special requirements for residencies in allergy and immunology (Residency Review Committee for Allergy and Immunology), 1
Spleen and lung beta-adrenergic receptors, difference in susceptibility to desensitization by terbutaline (Hasegawa M and Townley RG), 230
Splenectomised healthy patients. T-lymphocyte subsets in, 13 (Abst.)
Steroid therapy, topical, iatrogenic hyperadrenocorticism during, metabolic criteria, 25 (Abst.)
Sting anaphylaxis, fatal, IgE and IgG antibodies against venoms in blood of victims of (Hoffman DR et al), 193
Sudanese community seasonally exposed to potent airborne allergen ("green nimitti" midge, *Cladotanytarsus lewisi)*, prevalence of asthma and rhinitis in (Kay AB et al), 345
Suppressor cell deficiency in familial Mediterranean fever, correction by colchicine, 18 (Abst.)
Surgery, effect on T lymphocyte subpopulation, 22 (Abst.)
Suxamethonium and other muscle relaxants, adverse reactions to, under general anesthesia (Vervloet D et al), 552
Sympathomimetic and anticholinergic combination therapy of asthma (Rebuck AS et al), 317
Systemic reaction to papain in nonoccupational setting (Mansfield LE and Bowers CH), 371

T

T cell irradiation enhancing IgE and IgG (human tonsillar) biosynthesis in vitro in presence of pokeweed mitogen (Ohta K et al), 212
lymphocyte subpopulation, effect of surgery on, 22 (Abst.)
subsets in healthy splenectomised patients, 13 (Abst.)
Tears, human, IgA antibody levels in, 24 (Abst.)
Terbutaline, desensitization by, susceptibility to, difference between lung and spleen beta-adrenergic receptors (Hasegawa M and Townley RG), 230
modulation of human allergic skin reactions (Ting S et al), 437
Tetrachlorophthalic anhydride asthma, evidence for specific IgE antibody (Howe W et al), 5
Theophylline, oral, and oral salbutamol in treatment of asthma, 23 (Abst.)
Thiopental, leukocyte histamine release to, 7 (Abst.)
Tolerance to penicillin, clinical, and desensitization, immunologic observations (Naclerio R et al), 294
Toluene diisocyanate, airway challenges of dogs with, immunologic and respiratory responses (Patterson R et al), 604
Tonsillar IgE and IgG, human, biosynthesis in vitro, enhanced in presence of pokeweed mitogen by T-cell irradiation (Ohta K et al), 212

Tracheal gangliosides, bronchial hyperreactivity associated with, 16 (Abst.)
Transfer factor, dialysable, effect on IgE concentrations in atopic dermatitis, 5 (Abst.)
Trichuriasis, total serum IgE levels and eosinophil counts in, 6 (Abst.)
Triethanolamine sensitivity, IgE-mediated, intractable sneezing due to (Herman JJ), 339
Tropical populations protected from allergic disease by hyperimmunoglobulinemia-E (Larrick JW et al), 184

U

Unlabeled use of approved drugs (Sly RM), 515 (Committee report)
Urinary histamine, fluorometric and radioisotope-enzymatic assay procedures for measuring, compared (Warren K et al), 206
Urography, excretory, bronchospasm during, lack of specificity for methylglucamine cation in, 4 (Abst.)
Urticaria, chronic idiopathic, histologic studies (Natbony SF et al), 177
Urticarial vasculitis, hypocomplementemic, association with chronic obstructive pulmonary disease, 7 (Abst.)

V

Vaccines, egg-containing, safety for egg-allergic patients (Miller JR et al), 568
Vasectomy, immunological and clinical consequences of, 14 (Abst.)
Venom(s), bee, purified proteins and peptides of, antibodies to: highly specific RAST for bee venom antigens and its application to bee sting allergy (Kemeny DM et al), 505
Venom(s), bee—Cont'd
sensitivity to, distinction from allergy to honeybee body components (Reisman RE et al), 18
fire ant, hypersensitivity. I. Comparison of fire ant venom and whole body extract in diagnosis of fire ant allergy (Paull BR et al), 448
honeybee, IgE, measurement by modified microtiter solid-phase radioimmunoassay, reduction of interference by specific IgG (Cheung N-K et al), 283
IgE and IgG antibodies against, in blood of victims of fatal sting anaphylaxis (Hoffman DR et al), 193
vespid, immunotherapy, transient bradycardia during, 8 (Abst.)
Ventricular fibrillation after digoxin ingestion in child, Fab fragments of digoxin-specific antibodies used to reverse, 11 (Abst.)
Verapamil, inhaled, in histamine-induced bronchoconstriction (McIntyre E et al), 375
Vernal and allergic kerato-conjunctivitis, cromolyn in, 9 (Abst.)
Vespid venom immunotherapy, transient bradycardia during, 8 (Abst.)
Virus, influenza A, effect on leukocyte histamine release (Busse WW et al), 382

W

Water, ultrasonically nebulized distilled, bronchial response of asthmatic subjects to inhalation of, effect of atropine on (Fabbri LM et al), 468
Wheat, durum (constituent of grain dust), pulmonary reaction to, 3 (Abst.)

Z

Zinc deprivation in mice, gestational: persistence of immunodeficiency for three generations, 14 (Abst.)

Index to meeting abstracts

Author index

A

Aber RC, 130
Ackerman M, 112, 155
Ackerman SJ, 93, 112, 138
Adams GK III, 142
Adelsberg BR, 128
Adkinson NF Jr, 89, 90, 121
Adler T, 151
Aelvoet M, 105
Agarwal MK, 95, 151, 160
Ahdieh H, 111, 132, 163
Ahlstedt S, 102, 103
Ahuja K, 132, 133
Albergo R, 129
Alidina L, 132
Allansmith MR, 102
Allen DH, 98
Altman LC, 139
Anderson MC, 105, 118, 160
Anfosso F, 115, 116
Anorve-Lopez E, 107
Ash J, 100
Astruc J, 110
Atkins FM, 103
Atkins P, 150, 151
Austen KF, 103, 107, 135, 154
Ayars GH, 139
Aznar R, 120

B

Baer H, 105, 118, 160
Bahna SL, 100
Bahous J, 141
Baird RS, 102
Baird I, 120, 141
Baker C, 139
Baker GJ, 98
Baker J, 131
Balazs T, 123
Baldocchi G, 148
Balentine LT, 99
Ballow M, 123
Bardana EJ, 102
Barde S, 92
Barde SH, 118, 121, 141
Barkman W, 136
Barr L, 136
Baser Y, 136
Beall G, 151
Beaudoin J, 109
Beaudoin R, 109
Becker AB, 131, 150
Bedard PM, 151
Bedard RM, 104
Bell TD, 110
Bergeron M, 122
Bergman DA, 128
Bernstein DI, 157, 158
Bernstein IL, 113, 157, 158
Berscheid BA, 137
Bevier D, 136
Bewtra A, 100, 149
Bierman CW, 124, 130, 155, 156
Binford L, 96
Björk J, 145
Björkander J, 164
Björkstén B, 102, 103, 161
Bleecker ER, 152
Bloch KJ, 102, 117, 162
Bloch M, 117, 162
Bluestone C, 155
Blumenthal M, 100, 110
Bock SA, 98
Boettrich C, 148
Boies L, 154
Bonini S, 100
Bonner R, 90
Borgen L, 125
Boris M, 92
Boulet L-P, 107
Bousquet J, 91, 105, 110, 120
Brahmi Z, 133
Brandon M, 125
Brenner M, 125
Bresolin D, 155
Brestel EP, 109
Britt EJ, 152
Brooks CD, 126
Brooks JG, 148
Brown MH, 162
Brown MJ, 146
Bruns T, 97
Bucholtz G, 96
Buckley CE, 161
Buckley RH, 133, 134, 164
Budd T, 96
Bukantz SC, 126
Bundesen PG, 96
Burge HP, 101, 161
Bush R, 95, 106
Busse W, 95, 104, 106
Butcher BT, 95, 106

C

Cain WA, 116
Calvayrac P, 91
Cantor HI, 103
Carroll M, 146
Carter BG, 113, 114
Cartier A, 141, 142, 157, 158, 159
Casale TB, 147
Casanova P, 151
Casselbrant M, 155
Castranova V, 109
Causon R, 146
Cech DD, 144
Chahal KS, 152
Chan-Yeung M, 158
Chand N, 149
Chang JL, 161
Chambers M, 113, 143
Chamovitz A, 112
Charpin J, 115, 116, 148, 151
Cheng H, 163
Cheung N-KV, 92
Chiaramonte LT, 124, 163
Choo IBL, 153
Choo P, 90
Chu E, 108
Chubb JM, 149
Church JA, 150
Claman HN, 162
Clancy R, 153
Clarke RH, 159
Clayton WF, 92, 118, 141
Cockcroft DW, 137
Coghlan TH, 101, 159
Coifman RE, 125
Collet H, 117
Columbo M, 94
Comunale M, 143
Condemi JJ, 90, 147
Condorelli M, 94
Conrad DH, 134
Cooper DA, 144
Cooper JB, 117
Cooper R, 111, 163
Corey EJ, 154
Cormier Y, 109
Craft DF, 140
Craig S, 102
Crawford LV, 150
Creticos PS, 90
Cripps V, 163
Cromwell O, 146
Crouch SK, 125
Crow J, 129
Crowley ET, 108
Crowley H, 124
Culver WG, 148
Cumella J, 94
Curd J, 146
Curd JG, 127, 157

D

Dahlberg MJE, 159
Dain BJ, 107
Dale S, 161
D'Antonio R, 115
Daul C, 111
David B, 145
Davies BH, 152
Day JH, 159
de Haller J, 137

Abstracts of papers presented at the meeting of The American Academy of Allergy and Immunology, March 19-23, 1983; J ALLERGY CLIN IMMUNOL 71(No. 1, part 2):89, 1983.

de la Cruz A, 109, 111, 132, 163
Delafuente JC, 111
Delespesse G, 116, 117, 144, 163
Delohery J, 98
Del Prete G, 113
DeMelfi T, 130
Desai AK, 128
deShazo R, 111
deShazo RD, 136
Desposito F, 108, 109, 163
Diamantis W, 149
Diem JE, 136
Dhivert H, 91
Dolan DJ, 148
Dollinger TR, 99
Dolovich J, 107, 137, 158
Donnelly A, 108, 119, 127
Donshik PC, 123
Dor PJ, 112
Dorsch W, 105, 111
Doyle W, 155
Dreyfuss EM, 148
Druce H, 90
Drzewiecki G, 94, 134
Dubois JY, 159
Du Buske L, 135
Duchateau J, 117
Dunhill AL, 147
Dupont L, 92
Durham SR, 146
Dyer J, 148
Dyers J, 151

E

Ebling W, 125
Economides AK, 150
Eggleston PA, 93
Einarsson R, 120
Eisenberg JD, 111
Eitches RW, 124, 135
Ekramoddoullah AKM, 96
Elston R, 100
Enander I, 103
Epstein WL, 130
Esterman MA, 101
Ettenger R, 92
Evans R III, 147
Evans S, 158

F

Fauci AS, 138
Feldman B, 89
Feldman BA, 89
Fearon DT, 107
Findlay S, 104, 160
Findlay SR, 91
Fink J, 97
Fireman P, 112, 155
Fischer B, 106
Fischer JMM, 96
Forest F, 159
Frank MM, 112
Frederick RJ, 125, 126
Frick OL, 139
Friday G, 155
Friedman MM, 89
Friedman R, 155
Friedman S, 103
Friedman WH, 156
Frieri M, 109
Frigas E, 107, 136
Fuchs H, 164
Furukawa CT, 124, 130, 155, 156

G

Gallagher JS, 113, 157, 158
Galloway JA, 112
Garbe L, 151
Gard S, 133
Geha R, 108
Geha RS, 140, 143
Geiger R, 111
Geissler W, 106
Gellis S, 113, 143
Gentlesk MJ, 121
Genton C, 128
Georgitis JW, 92, 118, 121, 141
Gerber PS, 150
Gerblich A, 115
Ghekiere L, 92
Gibbons J, 123
Gillespie CA, 131
Gillespie DN, 159
Glant M, 133
Glasofer ED, 132
Gleich G, 100
Gleich GJ, 93, 112, 138, 160
Gleich GL, 139
Glovsky MM, 92
Golden DBK, 140
Goldstein S, 124
Goodfriend L, 100
Goodman M, 133
Gorin LJ, 117
Graft DF, 140
Grammer L, 93
Grammer LC, 91
Grant W, 96, 160
Graziano FM, 135
Greenberger P, 97
Greenberger PA, 97, 147
Greene D, 112
Greenhill A, 148
Grieco MH, 132, 133
Guérin B, 91, 105
Guill MF, 117
Gupta S, 132
Guthman D, 136

H

Haeseler K, 106
Hahlbohm DF, 110
Hallett JS, 97
Halpern GM, 119
Halverson PC, 108, 127
Hamburger R, 98
Hamilton RG, 115, 121, 140
Hammer CH, 112
Hanson B, 110
Hanson LA, 164
Harbeck RJ, 144
Harden K, 130
Hargreave FE, 107, 119, 142, 143
Harley JB, 138
Harvey RP, 142
Hassner A, 114
Haus E, 154
Hausfeld JN, 89
Hawrylko E, 163
Haydey RP, 150
Haydik IB, 152
Haynes BF, 164
Hayward AR, 144
Hébert J, 109
Heiner D, 151
Heller S, 98
Helm RM, 160
Hemady Z, 113, 143
Hemedy Z, 160
Henderson WR, 138
Hendrick DJ, 136
Hennen G, 134
Hermodsson S, 164
Herrod HG, 139, 150
Hewitt B, 91, 105
Hirotsu T, 108
Hisamatsu K, 160
Ho PK, 101
Hoelzer DR, 111
Hoffman C, 130
Hoffman DR, 121, 122
Holford-Strevens V, 114
Homburger HA, 97, 122
Hope W, 124
Hopp R, 100, 118
Hordvik NL, 127
Howick J, 130
Hozouri K, 100, 110
Hsia S, 117
Hsu Y-P, 98, 119
Huang A, 133
Hugli TE, 153
Hussain M, 163
Hussain R, 115
Hyatt RE, 107, 151

I

Iikura Y, 152
Ike A, 161
Imber WE, 107, 151
Inselman L, 92
Ishizaka K, 134
Ishizaka T, 134

J

Jacob GL, 122
Jacobs RL, 97
Jaeger JJ, 107
Jaffee BD, 162
Jalowayski AA, 89, 90
James O, 122
Johansson SGO, 120, 138
Johnson J, 161
Johnson R, 133, 134
Jones RN, 136
Joseph X, 123
Juniper EF, 119, 142

K

Kagey-Sobotka A, 89, 140
Kahn CR, 95
Kahn H, 105
Kaliner M, 89, 90, 99, 136, 146, 148, 151
Kaliner MA, 89
Kaliskar A, 131
Kang B, 161
Kantor FS, 108
Kaplan AP, 129
Katusha K, 112
Katz R, 124, 125, 156
Kaur P, 108, 109, 163
Kaushal NA, 115

Kay AB, 146, 152
Kazimierczak W, 93
Kelley FJ, 144
Kelly HW, 130
Kemmy R, 116
Kemp J, 126
Kemp JP, 90, 149
Kephart GM, 93
Kijek K, 158
Kim YT, 123
Kinet JP, 134
King TP, 121
Kirkpatrick CH, 144
Kirkham S, 102
Kiselis I, 139
Kisil FT, 96
Kivity S, 154
Klapper DG, 162
Klebanoff SJ, 138
Klemawesch SJ, 161
Klotz SD, 147
Knight A, 122
Knutsen AP, 112
Ko HS, 114
Kobayashi R, 118
Kobayashi RH, 116
Koepke JW, 147
Kohler PF, 147, 164
König P, 127
Koren H, 133
Koschat M, 104
Kraemer MJ, 130
Krakauer RS, 144
Kregel KC, 108
Krell WS, 151
Krilis S, 154, 162
Kroutil L, 106
Krzanowski JJ, 126, 131
Kumar P, 137
Kuo CY, 96, 160
Kwasnicki J, 92
Kwiterovich KA, 140

L

Laatikainen A, 163
La Braico J, 109, 111
LaForce CF, 125, 131
Lafrance M, 159
Landry F, 104
Lang GM, 113
Lareau M, 108
Larocque P, 118
Lashlee C, 164
Lask G, 106
Latil F, 151
Laube BL, 107, 142
Laufer P, 97
Laviolette M, 109
Lawrence EC, 117
Lechuga G, 126
Leddy JP, 90
Lee TH, 146, 152
Leech S, 137
Lees EM, 159
Leftwich RB, 153
Lehrer SB, 111
Leitermann KM, 91
Lemanske R, 136
Lennert L, 131
Lerner M, 116
Leung DYM, 143
Levine BB, 147
Levine R, 112
Levinson AL, 150
Levitz D, 157
Levy DA, 115
Lewis RA, 103, 154
Lichtenstein LM, 89, 90, 93, 140
Lieberman P, 96, 148
Lietermann K, 160
Lima M, 139
Lind P, 96
Linford PA, 156
Lipham W, 135
Littler S, 120
Littler SJ, 134
Lockey R, 96, 141
Lockey RF, 120, 126, 138
Loegering DA, 139
Logun C, 89
Longbottom JL, 157
Louie SJ, 126
Louis M-YC, 123
Løwenstein H, 96
Löwhagen O, 149
Lumry WR, 156, 157
Lynch N, 164

M

McCarthy MA, 130
McClain EJ, 109
McGeady S, 114
McGeady SJ, 132
McLaughlin P, 102
McMullen AH, 148
McPherson M, 131
Maasch HJ, 106
Machtinger S, 98
Madden J, 120
Maes TE, 89
Maggi E, 113
Mahieu Ph, 134
Maile MH, 126
Malinow MR, 102
Malo J-L, 141, 142, 157, 158, 159
Mansfield LE, 125, 126, 129
Mansmann HC Jr, 114, 121, 132
Manvar D, 132, 133
Marcus DM, 117
Marier R, 137
Marinetti GV, 90
Markich M, 92
Marks JG Jr, 130
Marom Z, 89
Marone G, 94
Marsh D, 92
Marsh DG, 90, 95, 162
Marshall NA, 119
Martin BG, 148
Martin G, 150
Martin M, 98
Martin RR, 142
Mason P, 152
Mathews KP, 123
Mathison DA, 156
Matloff S, 139
Mauriello PM, 121, 141
Mauer KW, 97
Mecheri S, 145
Medford A, 145
Medsker RD, 108
Meier HL, 89, 90, 93
Melamed J, 107
Mellon M, 98, 130
Meltzer EO, 90, 149
Ménardo J-L, 110, 120
Mencia-Huerta J-M, 103
Mendell N, 110
Mendelson L, 123
Mendoza GR, 135
Menendez R, 130
Merlin S, 148
Merrett J, 146
Merrett TG, 146
Metcalfe DD, 103, 109
Metzger WJ, 101, 108, 119, 127
Michel FB, 91, 105, 110, 120
Middleton E Jr, 94, 134
Miller MF, 125, 131
Millqvist E, 149
Mingo T, 124, 126
Minnefor A, 111, 132, 163
Mitchell EB, 129
Moller DR, 157
Morgan M, 156
Moriarty M, 132, 133
Morris HG, 142, 153, 154
Morris M, 143
Morrison DC, 104
Moss R, 98
Moss RB, 119
Mourad C, 110
Muilenberg ML, 101, 161
Müller B, 96
Murphy S, 130

N

Naclerio RM, 89
Nagakura T, 152
Nair C, 149
Nair N, 149
Nieboer E, 158
Nickelsen JA, 118
Nicklas RA, 123
Nelson BL, 92
Noble RE, 120
Nolan K, 149
Nordberg JN, 136
Nordlee J, 95
Nordvall SL, 120, 161
Norman PS, 89, 90, 107, 142
Nygren H, 103

O

O'Connor J, 119
O'Connor R, 98
O'Connell EJ, 97
O'Donnell M, 145
O'Donnell MC, 138
O'Driscoll BR, 146
Offord K, 107
O'Hene-Fianko D, 114
Ohman J, 160
Ohman JL Jr, 91
Ohman S, 120
Ohta K, 144
O'Leary K, 157
Oleske J, 109, 111, 132, 163
O'Neil CE, 95, 106
Ong KS, 153, 164
O'Patry D, 130
Orgel HA, 90, 149
Orman S, 96, 160

Orner FB, 135
Ortolani C, 119
Ottesen EA, 115
Ouimet G, 141
Ownby DR, 122

P

Packard BD, 108
Papageorgiou N, 146, 152
Parisi J, 158
Parkman R, 143
Parrish RW, 152
Paschall VL, 117
Pastorello E, 119
Patow C, 90
Patow CA, 89
Patterson R, 91, 93, 97
Paull BR, 101, 159
Pauwels RAR, 103
Peck C, 131
Pécoud AR, 128
Peirsol JM, 139
Pelikan M, 154
Pelikan Z, 154
Peltre G, 145
Penney LL, 126
Peppe B, 141
Peppe BC, 120
Perelmutter L, 118, 122
Perhach JL Jr, 149
Permutt S, 152
Perry RP, 102, 117, 162
Peters MS, 138
Peters S, 135
Petry R, 106
Phillips YY, 107
Pichichero ME, 148
Pierson WE, 124, 130, 155, 156
Pimmel R, 127
Pineau L, 141, 142, 158, 159
Platts-Mills TAE, 129, 157
Plaut M, 93
Pleskow W, 94, 146
Pleskow WW, 156, 157
Plunkett G, 144
Polson JB, 131
Porreco R, 130
Poto S, 94
Prentice R, 162
Prograis LJ Jr, 112
Pruzansky J, 93
Pruzansky JJ, 97
Purtell A, 127

R

Rachal C, 92
Rachelefsky G, 125, 156
Rachelefsky GS, 124
Radermecker M, 134
Raison RL, 162
Rak S, 149
Ramirez DA, 137
Ramsdale EH, 143
Ramshaw IA, 137
Rao YK, 163
Rappaport J, 143
Rauls DO, 129
Razin E, 103
Rector ES, 96
Reddy M, 132, 133
Reed CE, 95, 107, 136, 151
Reed MA, 95, 106
Reid MJ, 92
Reilly J, 155
Reiman BEF, 129
Reimann HJ, 111
Reinherz E, 140
Reinherz EL, 144
Reisman RE, 92, 118, 120, 121, 141
Ricci M, 113
Richards W, 150
Richerson HB, 101, 108, 119, 127
Richman P 105
Ricketti A
Riehm JG, 113
Riesberg N, 116
Ring J, 105, 111
Roberts RS, 119
Robinet-Lévy M, 120
Robinson LD Jr, 106
Rocci ML Jr, 132
Rocklin RE, 113, 139, 143
Rockwell WJ, 124
Rodière M, 110
Roebber M, 162
Rohr AS, 119
Roitman-Johnson B, 100, 110
Romagnani S, 113
Rooklin A, 123
Rosenblatt HM, 117
Rosenfeld JM, 142
Rosenfeld SI, 90
Rosenman KD, 157
Rosenthal RR, 107, 142
Roth SL, 123
Rubbio M, 116
Rudd C, 134

S

Sabharwal U, 151
Saccar CL, 132
Sachs MI, 97
Safai B, 132
St-Aubin JJ, 159
Salvaggio JE, 95, 106, 111, 136
Sampson HA, 129, 133
Sarfati M, 116
Saryan JA, 143
Satayaviboon S, 112
Sato T, 128
Saunders B, 130
Saxon A, 114, 119, 147
Schaefer PA, 134
Schatz M, 130, 156
Schiano CM, 163
Schiff M, 92
Schiff RI, 133, 134
Schleimer R, 93
Schlossman SF, 144
Schellenberg RR, 99, 145
Schopfer C, 137
Schroeter AL, 138
Schuberth KC, 140
Schuller DE, 147
Schulman ES, 134
Schuyler MR, 115
Schwartz LB, 135
Schwartz RH, 148
Scott AL, 115
Scovern H, 108
Sehon AH, 96, 113, 114, 116, 144, 163
Selner JC, 147
Serbousek D, 96
Serio CS, 126
Shapiro GG, 124, 130, 155, 156
Shapiro PA, 155
Sharath M, 108
Sharpe G, 104
Shatz M, 92
Shaughnessy MA, 91
Shearer WT, 117
Sheffer AL, 107
Shelhamer JH, 89
Shelton A, 148
Shepherd GM, 147
Sheridan AQ, 126
Sherkin M, 158
Sherman NA, 142, 153, 154
Siegel S, 124, 125, 156
Simon R, 94, 146
Simon RA, 156
Simons FER, 131, 150
Simons KJ, 131, 150
Sindel LJ, 133
Singh R, 163
Siskind GW, 123
Skikne M, 99
Slater WM, 127
Slavin RG, 111, 112, 156
Smedegård G, 102, 103, 145
Smith DM, 154
Smith L, 128, 131
Smith L Jr, 132
Smith TF, 104, 105
Snyder F, 145
Sobotka AK, 90, 93
Sofia RD, 149
Sogn DD, 147
Solomon WR, 101, 161
Sothern R, 110
Souhrada JS, 154
Sperling W, 130
Spiegelberg H, 94
Spiegelberg HL, 153
Stafford CT, 128
Stechschulte DJ, 99
Sterk AR, 134
Stevens RL, 103
Stevenson D, 146
Stevenson DD, 156, 157
Stosky E, 160
Strannegard O, 164
Suelzer MT, 101
Summers R, 90, 131
Summers RJ, 147
Sumrall J, 92
Suszko IM, 91
Swaminathan N, 135
Swanson K, 151
Swanson MC, 95
Sweeney MJ, 147
Swenson C, 104
Swindle MM, 115
Szefler SJ, 125
Szentivanyi A, 131
Szklo M, 140

T

Tabona M, 158
Taylor S, 95
Taylor SM, 99
Taylor W, 160
Taylor WW, 96

Thiem PA, 90
Thomas K, 163
Thomas LL, 138
Timmons BE IV, 121
Ting S, 129
Tinkelman DG, 126
Titus CR, 126
Tjaden C, 92
Tolle F, 133
Townley R, 100, 128, 149
Treadwell G, 148
Trilló ME, 100
Tse KS, 158
Turkeltaub P, 120, 141
Turkeltaub PC, 105, 118, 160

U

Uhlin T, 120
Underdown BJ, 122
Unger G, 97
Unzeitig J, 150
Urda G, 115
Urdaneta-Bohorquez A, 131

V

Valanis B, 113
Valentine MD, 140
VanArsdel PP Jr, 147
Van Auken S, 148
Vanderbeek Y, 117
Van Der Straeten MER, 103
Varonier HS, 137
Vervloet D, 148, 151
Vinson SB, 101, 159
von der Helm D, 105
Voss M, 95, 106

W

Wahn U, 96, 106
Wald E, 155
Walden S, 152
Walker B, 145
Walker WA, 102, 117, 162
Walsh G, 100, 110
Walters T, 108, 109
Wang SR, 99, 153
Wang SSM, 99, 153
Wang V, 123
Wang W, 139
Ward F, 133
Ward JF, 149
Waring NP, 111
Warren RW, 164
Wasserman S, 146
Wasserman SI, 89
Webb R, 126
Wei B-Y, 114
Weiler JM, 108
Weill H, 136
Weinberg R, 110
Weindorf S, 92
Weksler M, 123
Wells JH, 116
Welsh PW, 107
Welton AF, 124, 145
Wescott S, 99
White JG, 154
Whitehurst VE, 123
Wilkins SR, 157
Wood CL, 121
Wood R, 98
Wooten S, 106
Workman TE, 123
Wotta D, 154
Wray BB, 117, 128
Wypych JI, 92, 118, 120

Y

Yanagihara Y, 144, 163
Yang CM, 153
Yaremko B, 124
Yeh S, 136
Yoo TJ, 160
Yost R, 150
Young SH, 128
Younger R, 150
Yunginger J, 95
Yunginger JW, 95, 97, 159, 160
Yunis E, 100

Z

Zanussi C, 119
Zeiss CR, 157
Zeiger RS, 89, 98, 130, 156, 157
Zweiman B, 150, 151

Subject index

A

Acetylsalicylic acid therapy in aspirin–sensitive asthmatics (Baldocchi G et al), 148
Acquired immunodeficiency syndrome; *see* AIDS
Adenosine bronchoconstrictory effect in vivo (Pauwels RAR, Van Der Straeten MERP), 103
  deaminase deficiency, iron overload as result of transfusion therapy in (Hopp R et al), 118
  -theophylline interactions in canine tracheal smooth muscle strips (Krzanowski JJ et al), 131
Adolescents and children, prevalence of major allergies among (Varonier HS et al), 137
Adrenergic receptors, leukocyte, and cyclic AMP responses in asthma and allergic rhinitis (Marinetti GV et al), 90
Aerosol(s), beclomethasone dipropionate, in chronic asthma, effect of dosing schedule on efficacy and safety of (Meltzer EO et al), 149
  bitolterol mesylate and albuterol, compared (Tinkelman DG et al), 126
  inhalation techniques compared (Unzeitig J et al), 150
  methacholine, human airways response to, effect of inspiratory flow rate regulation (Laube BL et al), 142
  stimulation, microbial, efficacy on plasmocytes of bronchial mucosa (Latil F et al), 151
Affinity chromatography, use of monoclonal antibody to Alt-I in (Agarwal MK et al), 160
Agammaglobulinemia, X-linked, synovial lymphocyte phenotypes in inflammatory arthritis of (Warren RW et al), 164
AIDS in children (Oleske J et al), 163
  cimetidine as immunomodulating agent in (Ahuja K et al), 132
  immunomodulation with isoprinosine in (Manvar D et al), 133
Air-filtration, night-time, and moderate asthma (Schwartz RH et al), 148
Airway(s), asthmatic, H_1 and H_2 receptors in (Wang SR, Wang SSM), 99
  disease, reactive, associated induced, in children, chronic sinus disease with (Rachelefsky G et al), 156
  response, human, to methacholine aerosol, effect of inspiratory flow rate regulation on (Laube BL et al), 142
  smooth muscle contractile responses, ergonovine effects on (Louie SJ et al), 126
    human, nonadrenergic inhibition (Taylor SM, Schellenberg RR), 99
Albuterol and bitolterol mesylate, aerosols, compared (Tinkelman DG et al), 126
Alfalfa seed and DNA, cross-reacting antibody to, in systemic lupus erythematosus (Bardana EJ et al), 102
Allergen(s); *see also* specific allergens
  airborne, associated with asthma: dust mite and rat urinary allergens compared (Platts-Mills TAE et al), 157
  bronchial challenge and effects of lodoxamide and nifedipine (Parrish RW, Davies BH), 152
Allergen(s)—Cont'd
  -induced eczematous lesions in atopic dermatitis; local transfer of basophil accumulation with serum but not IgE ab (Mitchell EB et al), 129
  inhaled, prediction of late asthmatic responses to (Boulet L-P et al), 107
  skin tests, thromboxane synthesis in late cutaneous reactions after (Ring J et al), 111
  -specific suppressive factor for IgE antibody synthesis, T cell clone releasing (Anfosso F, Charpin J), 116
  time-dependent release from grass-pollen grains (Maasch HJ et al), 106
  in utero in man, further studies on tolerance induction to (Glovsky MM et al), 92
Allergenic activity of purified allergens from *Dermatophagoides pteronyssinus* (Wahn U et al), 96
  components of bald-faced hornet *(V. maculata)* venom (Littler S et al), 120
Allergenicity and antigenicity of cotton extracts (Butcher BT et al), 95
  of bald cypress tree *(Taxodium distichum)* (Bucholtz G et al), 96
Allergic alveolitis, extrinsic, *Sporobolomyces* as new cause of (Cockcroft DW et al), 137
  bronchial reactivity in rats after immunization (Smedegård G et al), 102
  bronchopulmonary aspergillosis in cystic fibrosis (Laufer P et al), 97
    hypersensitivity of mediator-releasing cells in, and basophil histamine release (Ricketti AJ et al), 97
  bronchospasm, leukotriene-mediated, inhibited by azelastine (oral antiasthmatic drug) (Chand N et al), 149
  donors with low IgE levels, leukocyte histamine release by antibodies to IgG, IgG1, IgG3, and IgG4, lacking in (Pleskow W et al), 94
  mouthbreathers vs. nonallergic nosebreathers, aberrant facial growth in (Shapiro GG et al), 155
  rhinitis and asthma, leukocyte adrenergic receptors and cyclic AMP responses in (Marinetti GV et al), 90
    caused by grass, local nasal immunotherapy for (Georgitis JW et al), 92
    and conjunctivitis, seasonal, topical imipramine evaluated for treatment (Halverson PC et al), 127
    enhanced basophilic leukocyte histamine release to concanavalin A in (Busse WW et al), 104
    local nasal therapy with polymerized ragweed extract (Nickelsen JA et al), 118
Allergy(ies); *see also* entries under agent causing
  infantile, and milk-specific antibodies in breast milk (Machtinger S et al), 98
  major, prevalence among children and adolescents (Varonier HS et al), 137
  respiratory, related to automobile air conditioners exacerbation: immunologic studies (Kumar P et al), 137
Allogeneic nonatopic T cell subsets and autologous eczema, regulation of spontaneous in vitro IgE synthesis by (Hemady Z et al), 143
Alpha adrenergic blockade, effect on histamine and exercise-induced asthma (Chahal KS et al), 152
Alpha$_2$ and beta receptors and c-AMP functions compared between asthmatics and normals (Sato T, Townley R), 128
Alt-I, monoclonal antibody to, and use in affinity chromatography (Agarwal MK et al), 160

Abstract of papers presented at the meeting of The American Academy of Allergy and Immunology, March 19-23, 1983; J ALLERGY CLIN IMMUNOL 71(No. 1, part 2):89, 1983.

Alternaria allergens in mice, reaginic immune responses to (Kuo CY et al), 160
allergy, basic protein allergens in (Grant W et al), 96
-induced asthma, modification of late asthmatic responses during immunotherapy for (Metzger WJ et al), 119
Alveolar lavage, bronchial, and peripheral blood, distribution of surface immunoglobulin-bearing cells from, in common variable hypogammaglobulinemia (Goodman M et al), 133
Alveolitis, extrinsic allergic, *Sporobolomyces* as new cause of (Cockcroft DW et al), 137
AMLR in Kaposi's sarcoma, deficiency of responder Leu 3^+ T cells in (Gupta S, Safai B), 132
Anaphylaxis, insect-sting, in patients without detectable serum venom-specific IgE (Clayton WF et al), 141
ocular, conjunctival edema test for assessing (Allansmith MR et al), 102
Triatoma protracta–induced, successful immunotherapy for (Rohr AS et al), 119
Angioedema with C1 inhibitor deficiency, loss of danazol responsiveness (Purtell A, Curd JG), 127
nonfamilial vibration-induced (Ting S et al), 129
and urticaria, chronic, outcome of 83 adults with (Pécoud AR, Genton C), 128
of patients with (Smith L et al), 128
Antibiotics, various, and indomethacin, effects on neutrophil chemiluminescence (de la Cruz A et al), 111
Antibody(ies); *see also* specific antibodies
levels, IgG_4-specific, and IgG_4 serum concentration as prognostic indicators in asthmatic children (Mauer KW et al), 97
rabbit anti–anti-ragweed antigen E, and human IgG and IgE anti-ragweed antigen E antibody, ELISA for (Wang V et al), 123
response of adult rats, immunomodulating effects of terbutaline sulfate (Frederick RJ et al), 125
Antigen; *see also* specific antigens
challenge, thromboxane B_2 responses to (Morris HG et al), 154
E antibody, rabbit anti-anti-ragweed, and human IgG and IgE anti-ragweed antigen E antibody, ELISA for (Wang V et al), 123
-induced late asthmatic reactions, immunological studies (Durham SR et al), 146
inhalation–induced systemic increases in histamine and chemotactic activity levels in rhinitis or asthma (Atkins P et al), 151
-monomethoxypolyethylene glycol conjugates, effects on established IgE response (Lang GM et al), 113
presentation by EBV-transformed human B lymphocytes (Chu E et al), 108
prolonged oral administration, induction of systemic tolerance in parenterally immunized rats (Perry RP et al), 117
(provocative)-induced eustachian tube obstruction, effect of drugs on (Fireman P et al), 155
test, for delayed cutaneous hypersensitivity, tetanus toxoid as (Delafuente JC et al), 111
Antigenic nasal challenge, mediator release after (Naclerio RM et al), 89
Antigenicity and allergenicity of cotton extracts (Butcher BT et al), 95
Antihistamines adversely affecting pulmonary function in asthmatic children (Schuller DE), 147
effects on rat cutaneous early- and late-phase reactions (Lemanske R et al), 136
Anti-idiotypic antibodies, regulation of human IgE antibody synthesis by (Gehe RS, Comunale M), 143
Antilymphocyte antibodies of IgG, IgM, and IgE classes in pairs of maternal and neonatal sera (Duchateau J et al), 117
Antimicrosomal antibodies, high-titer, chronic urticaria in (Desai AK et al), 128
Antipruritic effect of hydroxyzine in children with atopic dermatitis (Simons FER et al), 150
Arachidonic acid metabolism, aspirin-induced shift in (Sherman NA, Morris HG), 153
nasal polyp and human eosinophil, compared (Smith DM et al), 154
Arthritis, inflammatory, of X-linked agammaglobulinemia, synovial lymphocyte phenotypes in (Warren RW et al), 164
Asbestos workers, dissociation between immunologic abnormalities and chest disease in (deShazo RD et al), 136
Aspergillosis, allergic bronchopulmonary, in cystic fibrosis (Laufer P et al), 97
hypersensitivity of mediator-releasing cells in, and basophil histamine release (Ricketti et al), 97
Aspirin-induced shift in arachidonic acid metabolism (Sherman NA, Morris HG), 153
ingestion, decreased leukotriene production by human peripheral blood mononuclear cells after (Leftwich RB et al), 153
-sensitive asthma, plasma mediator studies in: lack of role for mast cell (Simon R et al), 146
/rhinosinusitis, treatment with aspirin (Stevenson DD et al), 156
asthmatic(s), acetylsalicylic acid therapy in (Baldocchi G et al), 148
failure to desensitize on two attempts (Martin BG, Culver WG), 148
rhinosinusitis without asthma: clinical syndrome and effects of aspirin administration (Lumry WR et al), 157
Asthma, airborne allergens associated with: dust mite and rat urinary allergens compared (Platts-Mills TAE et al), 157
and allergic rhinitis, leukocyte adrenergic receptors and cyclic AMP responses in (Marinetti GV et al), 90
Alternaria-induced, modification of late asthmatic responses during immunotherapy for (Metzger WJ et al), 119
aspirin-sensitive rhinosinusitis without: clinical syndrome and effects of aspirin administration (Lumry WR et al), 157
Asthma, bronchial; *see* Bronchial asthma
bronchodilator effects and pharmacokinetics of caffeine in (Becker AB et al), 131
cat-induced, double-blind trial of immunotherapy in: in vitro responses (Leitermann KM et al), 91
double-blind trial of immunotherapy in: in vivo responses (Ohman JL Jr), 91
childhood, theophylline vs. cromolyn sodium in outpatient management (Furukawa CT et al), 130
chronic, effect of dosing schedule on efficacy and safety of beclomethasone dipropionate aerosol in (Meltzer EO et al), 149
and chronic obstructive lung disease, safety of nifedipine in (Nair N et al), 149
diphenylmethane diisocyanate–induced (Tse KS et al), 158
exacerbated by bacterial sinusitis (Friedman R et al), 155
exercise-induced; *see* Exercise-induced asthma
formaldehyde gas bronchial challenge not provoking (Frigas E, Reed CE), 136
grass pollen–induced, accelerated immunotherapy for (Nelson BL et al), 92
mealworm, new occupational disease (Bernstein DI et al), 158
moderate, and night-time air filtration (Schwartz RH et al), 148
monosodium glutamate–induced (Allen DH et al), 98
monkey dander (Petry R et al), 106
nebulized methylprednisolone inhalation in (Coifman RE), 125
occupational, in crab-processing workers (Cartier A et al), 159
due to pepsin (Pineau L et al), 158
placebo-controlled trial of procaterol (new long-acting oral beta agonist) (Siegel S et al), 125
or rhinitis, histamine and chemotactic activity in, systemic increases induced by antigen inhalation (Atkins P et al), 151
/rhinosinusitis, aspirin-sensitive, treatment with aspirin (Stevenson DD et al), 156
sthmatic(s) airway, H_1 and H_2 receptors in (Wang SR, Wang SSM), 99

Asthmatic(s)—Cont'd
aspirin-sensitive, failure to desensitize on two attempts (Martin BG, Culver WG), 148
aspirin-sensitive, acetylsalicylic acid therapy in (Baldocchi G et al), 148
bronchoconstrictor and bronchodilator response to different doses of inhaled ouabain in (Agrawal KP et al), 151
children, effect of erythromycin base on theophylline pharmacokinetics in (LaForce CF et al), 131
pulmonary function in, antihistamines adversely affecting (Schuller DE), 147
serum IgG_4 concentration and IgG_4-specific antibody levels as prognostic indicators in (Mauer KW et al), 97
steroid-resistant, efficacy and safety of troleandomycin and methylprednisolone in (Eitches RW et al), 124
drug, oral (azelastine), inhibiting leukotriene-mediated allergic bronchospasm (Chand N et al), 149
leukocytes of, enhanced production of slow-reacting substance in (Yang CM et al), 153
reactions, antigen-induced, late, immunological studies (Durham SR et al), 146
responses to inhaled allergen, late, prediction of (Boulet L-P et al), 107
subjects, D_2O-induced basophil histamine release in: secondary to C′ activation products (Kazimierczak W et al), 93
and normals: beta and $alpha_2$ receptors and c-AMP functions compared (Sato T, Townley R), 128
receiving multiple doses of lodoxamide before exercise challenge, tachyphylaxis in (Brooks CD et al), 126
Atmospheric immunochemical quantitation of guinea pig–derived allergens (Swanson MC et al), 95
Atopic dermatitis, allergen-induced eczematous lesions in; local transfer of basophil accumulation with serum but not IgE ab (Mitchell EB et al), 129
pharmacokinetics and antipruritic effect of hydroxyzine in children with (Simons FER et al), 150
skin test, RAST, and food test, double-blind placebo-controlled, results compared in children with (Sampson HA, Albergo R), 129
lymphocyte cultures, IgE synthesis suppressed by normal T cells in (Cech DD et al), 144
and normal individuals, prostaglandin influence on basophil releasability from (von der Helm D et al), 105
patients, ryegrass–positive, T-cell subpopulations in (Fuchs H, Ong KS), 164
subjects, in vitro immunoregulatory defect corrected by immunostimulating drug Fanetizole mesylate (Matloff S et al), 139
twins, concordances in (Bahna SL), 100
Atopy in twins (Bonini S et al), 100
Automobile air conditioners, exacerbation of respiratory allergies related to: immunologic studies (Kumar P et al), 137
Azelastine (oral asthmatic drug), inhibiting leukotriene-mediated allergic bronchospasm (Chand N et al), 149

B

B cell lines, Epstein-Barr virus-derived, and fluorescence-activated sorted cells, chimerism in severe combined immunodeficiency detected by HLA typing of (Geha RS, Reinherz E), 140
Bacterial sinusitis exacerbating asthma (Friedman R et al), 155
Bald cypress tree *(Taxodium distichum)* allergenicity (Bucholtz G et al), 96
-faced hornet *(V. maculata)* venom, allergenic components (Littler S et al), 120
Basophil(s) accumulation locally transferred with serum but not IgE ab in allergen-induced eczematous lesions in atopic dermatitis (Mitchell EB et al), 129
circulating, and guinea pig bone marrow cells, histamine release from (Peters S), 135
Basophil(s)—Cont'd
guinea pig, pure and functional, isolated (Graziano FM et al), 135
histamine release, effect of calmodulin antagonist on (Cumella J et al), 94
human, direct effect of oleandomycin on (Mendoza GR et al), 135
enhanced by bacterial endotoxin (Smith TF, Morrison DC), 104
by $F(ab')_2$ of anti-human IgE (Aelvoet M, Smith TF), 105
flavonoid inhibition of, stimulated by immunologic and nonimmunologic ligands (Middleton E Jr, Drzewiecki G), 94
modulation by calmodulin antagonists (Marone G et al), 94
nifedipine inhibition (Bedard RM, Busse WW), 104
and hypersensitivity of mediator-releasing cells in allergic bronchopulmonary aspergillosis (Ricketti AJ et al), 97
induced by D_2O in asthmatic subjects: secondary to C′ activation products (Kazimierczak W et al), 93
human, contain eosinophil granule major basic protein (Ackerman SJ), 93
blood, passive sensitization to (Pruzansky J et al), 93
and mast cells, histamine release from, hyperosmolar and IgE-induced, interaction, 93
histamine release, stimulation by human eosinophil granule major basic protein (O'Donnell MC et al), 138
purification, human, by density centrifugation (Landry F, Findlay S), 104
releasability from atopic and normal individuals, prostaglandin influence on (von der Helm D et al), 105
Basophilic leukocyte(s) histamine release, enhanced, to concanavalin A in allergic rhinitis (Busse WW et al), 104
human nasal mucosa mast cells from histochemical differentiation (Jalowayski AA et al), 89
Beclomethasone dipropionate aerosol, effect of dosing schedule on efficacy and safety in chronic asthma (Meltzer EO et al), 149
Beekeepers' IgG and IgE antibody responses to components in honeybee venom (Nordvall SL et al), 120
sensitization, clinical and immunologic surveys (Michel F-B et al), 120
Beta-adrenergic agonists in rats interacting with methylxanthines (Whitehurst VE et al), 123
agonist, new long-acting oral (procaterol), placebo-controlled trial in asthma (Siegel S et al), 125
terbutaline in vivo effects on rat lymphocyte DNA synthesis in vitro (Serio CS et al), 126
and $alpha_2$ receptors and c-AMP functions compared between asthmatics and normals (Sato T, Townley R), 128
Beta-2 agonist, new type, bitolterol mesylate, effectiveness in modulating exercise-induced asthma (Bierman CW et al), 124
Bitolterol mesylate and albuterol, aerosols, compared (Tinkelman DG et al), 126
(new type of beta-2 agonist), effectiveness in modulating exercise-induced asthma (Bierman CW et al), 124
Blood flow responses, nasal, to nasal provocation (Druce H et al), 90
peripheral, and bronchial alveolar lavage, distribution of surface immunoglobulin-bearing cells from, in common variable hypogammaglobulinemia (Goodman M et al), 133
Bone marrow cells, guinea pig, and circulating basophils, histamine release from (Peters S), 135
transplant, successful, in immunodeficiency with abnormal T cell subsets (Paschall VL et al), 117
effects on severe combined immunodeficiency with natural killer cell predominance (Sindel LJ et al), 133

Bronchial alveolar lavage and peripheral blood, distribution of surface immunoglobulin-bearing cells from, in common variable hypogammaglobulinemia (Goodman M et al), 133
asthma, chronic, creatine phosphokinase MM isotype elevation in (Bell TD, Hahlbohm DF), 110
nasal polyps, and sinusitis, sphenoethmoidectomy in treatment of (Slavin RG et al), 156
undiagnosed, associated with recurrent acute bronchitis (Hallett JS, Jacobs RL), 97
challenge, allergen, and effects of lodoxamide and nifedipine (Parrish RW, Davies BH), 152
by formaldehyde gas not provoking asthma (Frigas E, Reed CE), 136
responses and IgG_4 antibodies to Bermuda grass pollen extracts (Adler T et al), 151
excitability, nonallergic, in chronic bronchitis (Bahous J et al), 141
hyperresponsiveness, prevalence within university football team (Weiler JM et al), 108
lavage fluid and serum of asymptomatic farmers, antibodies against *Micropolysporum faeni* in (Hébert J et al), 109
mucosa plasmocytes, efficacy of microbial aerosol stimulation on (Latil F et al), 151
reactivity, allergic, in rats after immunization (Smedegård et al), 102
to methacholine compared to IgE levels in twins (Hopp R et al), 100
responsiveness, increased, to methacholine in rhinitis, diagnostic significance of (Ramsdale EH et al), 143
and skin responses, late onset, to pollen antigen (Zweiman B et al), 150
Bronchitis, chronic, nonallergic bronchial excitability in (Bahous J et al), 141
recurrent acute, associated with undiagnosed bronchial asthma (Hallett JS, Jacobs RL), 97
Bronchoconstrictor and bronchodilator response to different doses of inhaled ouabain in asthmatics (Agrawal KP et al), 151
effect of adenosine in vivo (Pauwels RAR, Van Der Straeten MERP), 103
Bronchodilator and bronchoconstrictor response to different doses of inhaled ouabain in asthmatics (Agrawal KP et al), 151
effects and pharmacokinetics of caffeine in asthma (Becker AB et al), 131
response, assessment in young children (Hordvik NL et al), 127
theophylline-induced, varies with, lags behind fluctuations in serum theophylline levels, computer-assisted pharmacokinetic evidence (Baker J et al), 131
solutions, SO_2 derived from (Koepke JW et al), 147
Bronchoprovocation blocked by neutralization therapy (Boris M et al), 92
Bronchopulmonary aspergillosis, allergic, in cystic fibrosis (Laufer P et al), 97
Bronchospasm, allergic, leukotriene-mediated, inhibited by azelastine (oral antiasthmatic drug) (Chand N et al), 149
induced by inhalation of methacholine vs. treadmill exercise, mediator release after (Harvey RP et al), 142
Bronchus, human, platelet-dependent contraction by platelet-activating factor (Schellenberg RR et al), 145

C

C′ activation products: D_2O-induced basophil histamine release in asthmatic subjects secondary to (Kazimierczak W et al), 93
C1-inhibitor, purification from human plasma (Prograis LJ Jr et al), 112
deficiency, angiodema with, loss of danazol responsiveness (Purtell A, Curd JG), 127
$C\bar{1}INH$ deficiency, acquired, clinical/biochemical assessment (Sheffer AL et al), 107
Caffeine in asthma, bronchodilator effects and pharmacokinetics (Becker AB et al), 131
Calcium ionophore–induced pulmonary function change in guinea pig (Esterman MA, Ho PK), 101
Calmodulin antagonist(s), effect on basophil histamine release (Cumella J et al), 94
modulating histamine release from human basophils (Marone G et al), 94
Canine; *see* Dog
Carboxypeptidase A from rat serosal mast cells (Du Buske L et al), 135
Cashew nuts, dermatitis from (Marks JG Jr et al), 130
Cat allergens as determined by cat 1 content and parallel-line skin test assay, relative potency compared (Baer H et al), 160
-associated allergens, airborne (Findlay S et al), 160
-induced asthma, double-blind trial of immunotherapy in: in vitro responses (Leitermann KM et al), 91
in vivo responses (Ohman JL Jr), 91
Charcot-Leyden crystal protein and eosinophil granule major basic protein in sputum of patients with respiratory diseases (Dor PJ et al), 112
Chemiluminescence, neutrophil, effects of antibiotics and indomethacin on (de la Cruz A et al), 111
Chemotactic activity and histamine levels, systemic, antigen inhalation–induced, increases in rhinitis or asthma (Atkins P et al), 151
neutrophil, high molecular weight, release from immunologically challenged human lung fragments (O'Driscoll BR et al), 146
defects, polymorphonuclear leukocyte, in children with sickle cell anemia (Kaur P et al), 109
Chest disease and immunologic abnormalities, dissociation in asbestos workers (deShazo RD et al), 136
Childhood asthma, theophylline vs. cromolyn sodium in outpatient management (Furukawa CT et al), 130
efficacy of corticosteroids in status asthmaticus in (Gerber PS et al), 150
Children and adolescents, prevalence of major allergies among (Varonier HS et al), 137
AIDS in (Oleske J et al), 163
asthmatic; *see* Asthmatic children
with atopic dermatitis, comparison of results for skin, RAST, and double-blind, placebo-controlled challenge food tests (Sampson HA, Albergo R), 129
pharmacokinetics and antipruritic effect of hydroxyzine in (Simons FER et al), 150
chronic sinus disease with associated induced reactive airways disease in (Rachelefsky G et al), 156
immunologic effects of prolonged venom immunotherapy in (Graft DF et al), 140
with insect allergy, all, needing venom therapy (Schuberth KC et al), 140
with sickle cell anemia, polymorphonuclear leukocyte chemotactic defects in (Kaur P et al), 109
taking oral corticosteroids, theophylline disposition in (Glasofer ED et al), 132
young, assessing bronchodilator response in (Hordvik NL et al), 127
and infants, absorption characteristics of new sustained-release theophylline sprinkle for (Howick J et al), 130
Chimerism in severe combined immunodeficiency, detected by HLA typing of fluorescence-activated sorted cells and of Epstein-Barr virus—derived B cell lines (Geha RS, Reinherz E), 140
Chondroitin sulfate synthesis, fibroblast, effect of ingestion of mast cell granules (Atkins FM, Metcalfe DD), 103
Chromatography, affinity, use of monoclonal antibody to Alt-I in (Agarwal MK et al), 160

Chronic obstructive lung disease and asthma, safety of nifedipine in (Nair N et al), 149
Cimetidine as immunomodulating agent in AID syndrome (Ahuja K et al), 132
Cockroach antigen characterized (Chang JL et al), 161
Common variable immunodeficiency and selective IgA deficiency, production and serum levels of interferon in (Björkander J et al), 164
Computer-assisted pharmacokinetic evidence that theophylline-induced bronchodilatory response varies with, lags behind fluctuations in serum theophylline levels (Baker J et al), 131
Concanavalin A, enhanced basophilic leukocyte histamine release to, in allergic rhinitis (Busse WW et al), 104
Conjunctival edema test for assessing ocular anaphylaxis (Allansmith MR et al), 102
Conjunctivitis and allergic rhinitis, seasonal, topical imipramine evaluated for treatment (Halverson PC et al), 127
Contact sensitivity to DNFB, desensitization to (Claman HN, Jaffee BD), 162
Contrast dye, radio, IgE-mediated reactions, frequency (Sweeny MJ, Klotz SD), 147
  intravenous, urine histamine after (Dyer J et al), 148
Cord blood, human, cells containing intracytoplasmic IgE in (Sarfati M et al), 116
  T lymphocytes, helper and suppressor effects on IgG synthesis (Cheng H et al), 163
Corticosteroids, efficacy in status asthmaticus in childhood (Gerber PS et al), 150
  oral, theophylline disposition in children taking (Glasofer ED et al), 132
  topical, effect on nasal mucosa cytology, nasal biopsy evaluation (Jalowayski AA et al), 90
Cotton bract extract, aqueous field-dried, in vitro effects on leukocyte cyclic AMP levels (O'Neil CE et al), 106
  extracts, antigenicity and allergenicity of (Butcher BT et al), 95
Cow's milk sensitization, no increase in, after delayed ingestion in infancy (Mellon M et al), 98
Crab-processing workers, occupational asthma in (Cartier A et al), 159
Creatine phosphokinase MM isotype elevation in chronic bronchial asthma (Bell TD, Hahlbohm DF), 110
Cromolyn sodium suppressing in vitro prostaglandins synthesis (Choo IBL, Ong KS), 153
  vs. theophylline in outpatient management of childhood asthma (Furukawa CT et al), 130
Cross-allergenicity among Urticaceae pollens (Hewitt B et al), 105
Cross-reacting antibody to alfalfa seed and DNA in systemic lupus erythematosus (Bardana EJ et al), 102
Cross-reactivity in fungi, infra- and inter-generic, ELISA inhibition for measuring, limitations (Ike A et al), 161
  of purified venom antigens of hornets, yellowjackets, and wasps (King TP), 121
Crossed radioimmunoelectrophoresis detecting peanut allergens (Bush R et al), 95
Cutaneous early- and late-phase reactions, rat, effects of antihistamines on (Lemanske R et al), 136
Cyclic AMP functions and alpha$_2$ and beta receptors compared between asthmatics and normals (Sato T, Townley R), 128
  levels, leukocyte, in vitro effects of aqueous field-dried cotton bract extract on (O'Neil CE et al), 106
  responses and leukocyte adrenergic receptors in asthma and allergic rhinitis (Marinetti GV et al), 90
Cyclosporin A, differential effects on subpopulations of human B lymphocytes (Laatikainen A et al), 163
Cystic fibrosis, allergic bronchopulmonary aspergillosis in (Laufer P et al), 97
  patients, lymphocyte subpopulations in (Schiano CM et al), 163
Cytochrome c determinants on rye, recognized by human IgE and murine monoclonal antibodies (Ekramoddoullah AKM et al), 96
Cytology, nasal mucosa, nasal biopsy evaluation of effect of topical corticosteroids on (Jalowayski AA et al), 90
Cytolysis, pneumocyte, caused by eosinophilic major basic protein (Ayars GH et al), 139

D

D_2O-induced basophil histamine release in asthmatic subjects: secondary to C′ activation products (Kazimierczak W et al), 93
Dactylis glomerata pollen, IgE response of Balb/c mice to, inhibited by low doses of pollen component (Peltre G et al), 145
Danazol responsiveness, loss in angiodema with C1 inhibitor deficiency (Purtell A, Curd JG), 127
Deer and elk, inhalant allergy to, in professional and recreational hunters (Dahlberg MJE et al), 159
Dermatitis, atopic; *see* Atopic dermatitis
  from cashew nuts (Marks JG Jr et al), 130
  exfoliative, characterization of immune complexes in (Robinson LD Jr et al), 106
Dermatographism, cold-dependent, and systemic cold urticaria in cold-induced hives (Kaplan AP), 129
Dermatophagoides pteronyssinus, allergenic activity of purified allergens from (Wahn U et al), 96
Desensitization, aspirin, failure to desensitize aspirin-sensitive asthmatic on two attempts (Martin BG, Culver WG), 148
  to contact sensitivity to DNFB (Claman HN, Jaffee BD), 162
  with human insulin for therapy of insulin allergy (Chamovitz A et al), 112
Dexamethasone effect on de novo IgE synthesis by human blood mononuclear cells (Hemady Z et al), 113
Dietary antigen, systemic tolerance induced by pretreatment with its peptic fragments (Bloch KJ et al), 162
Diphenylmethane diisocyanate–induced asthma (Tse KS et al), 158
DNA and alfalfa seed, cross-reacting antibody to, in systemic lupus erythematosus (Bardana EJ et al), 102
  synthesis, rat lymphocyte, in vitro, in vivo effects of beta agonist terbutaline on (Serio CS et al), 126
Dog heartworm infection potentiating IgE in humans (Levy DA et al), 115
  tracheal smooth muscle strips, adenosine-theophylline interactions in (Krzanowski JJ et al), 131
Dust mite and rat urinary allergens compared: airborne allergens associated with asthma (Platts-Mills TAE et al), 157

E

EBV-transformed human B lymphocytes, antigen presentation by (Chu E et al), 108
Eczema, autologous, and allogeneic nonatopic T cell subsets, regulation of spontaneous in vitro IgE synthesis by (Hemady Z et al), 143
Eczematous lesions, allergen-induced, in atopic dermatitis; local transfer of basophil accumulation with serum but not IgE ab (Mitchell EB et al), 129
Egg allergens, IgE binding of, RAST and radioimmunoelectrophoresis compared in measuring (Hoffman DR), 122
ELISA for human IgG and IgE anti–ragweed antigen E antibody and rabbit anti–anti-ragweed antigen E antibody (Wang V et al), 123
  inhibition for measuring infra- and inter-generic cross-reactivity in fungi, limitations (Ike A et al), 161
  for measuring anti-IgE antibodies (Mathews KP et al), 123
Endotoxin, bacterial, enhancing histamine release from human basophils (Smith TF, Morrison DC), 104

Enterotherapy, immune complex–induced (Kirkham S et al), 102
Eosinophil(s) granule major basic protein and Charcot-Leyden crystal protein in sputum of patients with respiratory diseases (Dor PJ et al), 112
contained by human basophils (Ackerman SJ), 93
human, stimulation of basophil and mast cell histamine release by (O'Donnell MC et al), 138
localization in chronic urticaria (Peters MS et al), 138
human, generating leukotriene B_4, C_4, and D_4 (Henderson WR et al), 138
and nasal polyp arachidonic acid metabolism, compared (Smith DM et al), 154
Eosinophilic major basic protein causing pneumocyte cytolysis (Ayars GH et al), 139
Epstein-Barr virus–derived B cell lines and fluorescence-activated sorted cells, chimerism in severe combined immunodeficiency detected by HLA typing of (Geha RS, Reinherz E), 140
Ergonovine effects on airway smooth muscle contractile responses (Louie SJ et al), 126
Erythroid colonies in sickle cell anemia, T lymphocyte regulation of (Kaur P et al), 108
Erythromycin base, effect on theophylline pharmacokinetics in asthmatic children (LaForce CF et al), 131
effect on methylprednisolone kinetics (Szefler SJ et al), 125
Eustachian tube obstruction after provocative nasal challenges (Ackerman M et al), 155
provocative antigen–induced, effect of drugs on (Fireman P et al), 155
Evans syndrome, immunoregulation abnormalities in (Herrod HG, Wang W), 139
Exercise challenge, tachyphylaxis in asthmatics receiving multiple doses of lodoxamide before (Brooks CD et al), 126
-induced asthma, effectiveness of new type of beta-2 agonist (bitolterol mesylate) in modulating (Bierman CW et al), 124
efficacy and duration of action of fenoterol in (König P, Hordvik NL), 127
and histamine, effect of alpha adrenergic blockade (Chahal KS et al), 152
neutrophil and monocyte activation during (Kay AB et al), 146
late asthmatic reactions (Nagakura T et al), 152
Exfoliative dermatitis, characterization of immune comp' :xes in (Robinson LD Jr et al), 106

F

Facial growth, aberrant, in allergic mouthbreathers vs. nonallergic nosebreathers (Shapiro GG et al), 155
Fanetizole mesylate, immunostimulating drug, in vitro immunoregulatory defect in atopic subjects corrected by (Matloff S et al), 139
Farmers, asymptomatic, antibodies against *Micropolysporum faeni* in serum and bronchial lavage fluid from (Hébert J et al), 109
Fenoterol, efficacy and duration of action in exercise-induced asthma (König P, Hordvik NL), 127
FEV_1 in normal population, provocative concentration of methacholine causing 20% fall in, reference values (Malo J-L et al), 142
Fibroblast-ingested mast cell granules, degradation, effect of ingestion on fibroblast proliferation and chondroitin sulfate synthesis (Atkins FM, Metcalfe DD), 103
Filariasis, human, IgE responses in (Hussain R et al), 115
Fire ant, imported *(Solenopsis invicta)*, RAST studies of allergy to (Johansson SGO, Lockey RF), 138
venom hypersensitivity (Paull BR et al), 101
Flavonoid inhibition of human basophil histamine release stimulated by immunologic and nonimmunologic ligands (Middleton E Jr, Drzewiecki G), 94
Fluorescence-activated sorted cells and Epstein-Barr virus-derived B cell lines, chimerism in severe combined immunodeficiency detected by HLA typing of (Geha RS, Reinherz E), 140
Fluorometric, ultrasensitive immunoassay for IgE (Underdown BJ et al), 122
Food(s), incidence of adverse reactions to (Bock SA, Martin M), 98
symptoms, adverse, in adults, cross-sectional survey of incidence (Gallagher JS et al), 113
tests, challenge, double-blind, placebo-controlled, compared with skin and RAST tests in children with atopic dermatitis (Sampson HA, Albergo R), 129
Formaldehyde gas bronchial challenge not provoking asthma (Frigas E, Reed CE), 136
and UFFI off-gas after controlled exposure, respiratory effects (Day JH et al), 159
Fungi, cross-reactivity in, infra- and inter-generic, ELISA inhibition for measuring, limitations (Ike A et al), 161

G

Gamma globulin dosage, individualization in patients with humoral immunodeficiency (Schiff RI et al), 134
Graft vs. host disease, acute, mechanisms of increased IgE synthesis in (Saryan JA et al), 143
Grass-allergic rhinitis, local nasal immunotherapy for (Georgitis JW et al), 92
allergy, double-blind histamine placebo–controlled trial of polymerized whole grass for immunotherapy of (Grammer LC et al), 91
Bermuda, pollen extracts, IgG_4 antibodies and bronchial challenge responses to (Adler T et al), 151
group I allergens, analysis using monoclonal antibodies (Kahn CR, Marsh DG), 95
pollen grains, time-dependent release of allergens from (Maasch HJ et al), 106
immunotherapy, clinical and immunologic effects, double-blind, placebo-controlled study (Pastorello E et al), 119
–induced asthma, accelerated immunotherapy for (Nelson BL et al), 92
Gravity slide and Rotorod methods of particle counting for molds, compared (Suelzer MT et al), 101
Guinea pig(s) basophils, pure and functional, isolated (Graziano FM et al), 135
bone marrow cells and circulating basophils, histamine release from (Peters S), 135
calcium ionophore–induced pulmonary function change in (Esterman MA, Ho PK), 101
–derived allergens: characterization, clinico-immunologic studies, and atmospheric immunochemical quantitation (Swanson MC et al), 95
immunized to produce heat-labile homocytotropic antibody (Cain WA et al), 116

H

H_1 and H_2 receptors in asthmatic airway (Wang SR, Wang SSM), 99
Hay fever, ragweed, comparison of high- and low-potency short ragweed extracts in treatment (Turkeltaub PC et al), 118
Heartworm infection, dog, potentiating IgE in humans (Levy DA et al), 115
Hemolytic plaque assay, reverse, for assessing PEG-modified ragweed by challenge of PBL of patients allergic to ragweed (Perelmutter L, Laroque P), 118
Hepatitis B vaccine, in vitro effect on T-lymphocyte subpopulations (Ahdieh H et al), 132
virus infection, IgE anti-HBs · HBsAg immune complexes in (Kohler PF et al), 164

Hexamethylene diisocyanate, lung disease in workers exposed to, immunologic evaluation (Zeiss CR et al), 157
Himic anhydride, worker exposed to, specific IgE in, in vitro demonstration (Gallagher JS et al), 157
Histamine H_1 receptors, human mononuclear cell (Wescott S, Kaliner M), 99
and chemotactic activity levels, systemic, antigen inhalation–induced, increases in rhinitis or asthma (Atkins P et al), 151
determination by radioimmunoassay (Haydik IB), 152
and exercise-induced asthma, effect of alpha adrenergic blockade (Chahal KS et al), 152
mast cell granule–associated suppressor factor that is not (Frieri M and Metcalfe DD), 109
placebo–controlled double-blind trial of polymerized whole grass for immunotherapy of grass allergy (Grammer LC et al), 91
release, basophil, effect of calmodulin antagonist on (Cumella J et al), 94
and hypersensitivity of mediator-releasing cells in allergic bronchopulmonary aspergillosis (Ricketti AJ et al), 97
induced by D_2O in asthmatic subjects: secondary to C′ activation products (Kazimierczak W et al), 93
and mast cells, hyperosmolar and IgE-induced, interaction, 93
basophilic leukocyte, enhanced, to concanavalin A in allergic rhinitis (Busse WW et al), 104
from guinea pig bone marrow cells and circulating basophils (Peters S), 135
in human basophils, direct effects of oleandomycin (Mendoza GR et al), 135
enhanced by bacterial endotoxin (Smith TF, Morrison DC), 104
by $F(ab')_2$ of anti-human IgE (Aelvoet M, Smith TF), 105
modulation by calmodulin antagonists (Marone G et al), 94
flavonoid inhibition of, stimulated by immunologic and nonimmunologic ligands (Middleton E Jr, Drzewiecki G), 94
nifedipine inhibition (Bedard RM, Busse WW), 104
leukocyte, by antibodies to IgG, IgG1, IgG3 and IgG4, lacking in allergic donors with low IgE levels (Pleskow W et al), 94
protein A–induced (Radermecker M et al), 134
from mast cells and basophils, stimulation by human eosinophil granule major basic protein (O'Donnell MC et al), 138
urine, after intravenous contrast media (Dyer J et al), 148
Histochemical differentiation of human nasal mucosa mast cells from basophil leukocytes (Jalowayski AA et al), 89
Hives, cold-induced, new syndromes: cold-dependent dermatographism and systemic cold urticaria (Kaplan AP), 129
HLA typing of fluorescence-activated sorted cells and of Epstein-Barr virus–derived B cell lines, chimerism in severe combined immunodeficiency detected by (Geha RS, Reinherz E), 140
HLA-DR system and ragweed antigens, relationship to immune response (Blumenthal M et al), 100
Homocytotropic antibody, heat-labile, immunization of guinea pigs to produce (Cain WA et al), 116
Honeybee venom, beekeepers' IgG and IgE antibody responses to components in (Nordvall SL et al), 120
Hornet(s), bald-faced, venom, allergenic components (Littler S et al), 120
yellowjackets, and wasps, cross-reactivity of purified venom antigens (King TP), 121
Host vs. graft disease, acute mechanisms of increased IgE synthesis in (Saryan JA et al), 143
HSA/Ni^{2+} complex, nickel antibodies reacting with (Evans S et al), 158
Human(s) airways response to methacholine aerosol, effect of inspiratory flow rate regulation on (Laube BL et al), 142
smooth muscle, nonadrenergic inhibition (Taylor SM, Schellenberg RR), 99
allergens in utero, tolerance induction to (Glovsky MM et al), 92
allergic, and immunized rats, similarity of specific IgE antibody responses to individual mite allergens in (Björkstén B et al), 161
B lymphocyte(s), EBV-transformed, antigen presentation by (Chu E et al), 108
subpopulations, differential effects of cyclosporin A on (Laatikainen A et al), 163
basophils containing eosinophil granule major basic protein (Ackerman SJ), 93
direct effects of oleandomycin on histamine release in (Mendoza GR et al), 135
histamine release from, bacterial endotoxin enhancing (Smith TF, Morrison DC), 104
by $F(ab')_2$ of anti-human IgE (Aelvoet M, Smith TF), 105
flavonoid inhibition of, stimulated by immunologic and nonimmunologic ligands (Middleton E Jr, Drzewiecki G), 94
modulation by calmodulin antagonists (Marone G et al), 94
nifedipine inhibition (Bedard RM, Busse WW), 104
purification by density centrifugation (Landry F, Findlay S), 104
blood basophils, passive sensitization (Pruzansky J et al), 93
mononuclear cells, dexamethasone effect on de novo IgE synthesis by (Hemady Z et al), 113
bronchus, platelet-dependent contraction by platelet-activating factor (Schellenberg RR et al), 145
cord blood, cells containing intracytoplasmic IgE in (Sarfati M et al), 116
dog heartworm infection potentiating IgE in (Levy DA et al), 115
eosinophil(s) generating leukotriene B_4, C_4, and D_4 (Henderson WR et al), 138
granule major basic protein, stimulation of basophil and mast cell histamine release by (O'Donnell MC et al), 138
and nasal polyp arachidonic acid metabolism, compared (Smith DM et al), 154
filariasis, IgE responses in (Hussain R et al), 115
IgE antibody synthesis, regulation by anti-idiotypic antibodies (Geha RS, Comunale M), 143
and murine monoclonal antibodies, determinants on rye cytochrome c recognizing (Ekramoddullah AKM et al), 96
suppressor cells activated by defined IgE–anti-IgE immune complexes (Hassner A, Saxon A), 114
IgG and IgE anti–ragweed antigen E antibody and rabbit anti–anti-ragweed antigen E antibody, ELISA for (Wang V et al), 123
immune response to Hymenoptera venoms (Golden DBK et al), 140
insulin desensitization with, for therapy of insulin allergy (Chamovitz A et al), 112
lung fragments, immunologically challenged, high molecular weight neutrophil chemotactic activity release from (O'Driscoll BR et al), 146
lymphocytes, in vitro primary and secondary IgE antibody response (Yanagihara Y et al), 144
mast cells, IgE receptors on, biochemical analysis of early membrane events induced by bridging of (Ishizaka T et al), 134
serosal, isolation and purification (Schaefer PA et al), 134
mononuclear cell histamine H_1 receptors (Wescott S, Kaliner M), 99
nasal mucosa mast cells from basophil leukocytes, histochemical differentiation (Jalowayski AA et al), 89

Human(s)—Cont'd
neutrophil superoxide production, K-carrageenan stimulating without depolarizing membrane or secreting myeloperoxidase (Brestel EP et al), 109
peripheral blood mononuclear cells, decreased leukotriene production after aspirin ingestion (Leftwich RB et al), 153
plasma, purification of C1-inhibitor from (Prograis LJ Jr et al), 112
tonsillar IgE biosynthesis in vitro, analysis with monoclonal antibodies (Ohta K et al), 144
Humoral immunodeficiency, gamma globulin dosage individualized in patients with (Schiff RI et al), 134
Hunters, professional and recreational, inhalant allergy to deer and elk (Dahlberg MJE et al), 159
Hydroxyzine, pharmacokinetic and antipruritic effect in children with atopic dermatitis (Simons FER et al), 150
Hymenoptera-specific IgG measurements, usefulness (Gentlesk MJ et al), 121
venoms, human immune response to (Golden DBK et al), 140
Hymenoptera Venom Study, safety 9/30/82 (Lockey R et al), 141
treatment results, 9/30/82 (Peppe BC et al), 120
Hyperosmolar and IgE-induced histamine release from basophil and mast cells, interaction (Eggleston PA et al), 93
Hyperreactivity, nonspecific, therapeutic modification by sodium cromoglycate (Rak S et al), 149
Hyperresponsiveness, bronchial, prevalence within university football team (Weiler JM et al), 108
Hypersensitivity, delayed, cutaneous, tetanus toxoid as test antigen for (Delafuente JC et al), 111
murine, cellular cooperation in in vivo expression of (Scovern H, Kantor FS), 108
to fire ant venom (Paull BR et al), 101
of mediator-releasing cells in allergic bronchopulmonary aspergillosis and basophil histamine release (Ricketti AJ et al), 97
reactions to phenobarbital (Satayaviboon S et al), 112
Hyperventilation test, isocapnic, simplified (Phillips YY et al), 107
Hypogammaglobulinemia, common variable, distribution of surface immunoglobulin-bearing cells from peripheral blood and bronchial alveolar lavage in (Goodman M et al), 133
increase in serum IgG and IgE after splenectomy in (Wray BB et al), 117

I

IgA deficiency, selective, and common variable immunodeficiency, production and serum levels of interferon in (Björkander J et al), 164
IgE antibody(ies) to different allergens, simultaneous detection by modified RAST (Jacob GL et al), 122
ELISA for measuring antibodies against (Mathews KP et al), 123
response(s) in mice enhanced by pollen mitogen (Charpin J, Anfosso F), 115
in vitro primary and secondary, by human lymphocytes (Yanagihara Y et al), 144
specific, to individual mite allergens, similarity in immunized rats and allergic humans (Björkstén et al), 161
but not serum antibody, local transfer of basophil accumulation with, in allergen-induced eczematous lesions in atopic dermatitis (Mitchell EB et al), 129
allergen-specific suppressive factor for, T cell clone releasing (Anfosso F, Charpin J), 116
in humans, regulation by anti-idiotypic antibodies (Geha RS, Comunale M), 143
anti-HBs · HBsAg immune complexes in hepatitis B virus infection (Kohler PF et al), 164
anti-human, release of histamine from human basophils by $F(ab')_2$ (Aelvoet M, Smith TF), 105
binding of egg allergens, RAST and radioimmunoelectrophoresis compared in measuring (Hoffman DR), 122
IgE—Cont'd
biosynthesis in vitro, human tonsillar, analysis with monoclonal antibodies (Ohta K et al), 144
human(s), and murine monoclonal antibodies recognizing determinants on rye cytochrome c (Ekramoddullah AKM et al), 96
potentiated by dog heartworm infection (Levy DA et al), 115
and hyperosmolar induced histamine release from basophils and mast cells, interaction (Eggleston PA et al), 93
and IgG antibody responses of beekeepers to components in honeybee venom (Nordvall SL et al), 120
anti-ragweed antigen E antibody, human, and rabbit anti–anti-ragweed antigen E antibody, ELISA for (Wang V et al), 123
serum, increase after splenectomy in common variable hypogammaglobulinemia and idiopathic thrombocytopenic purpura (Wray BB et al), 117
and IgM classes of antilymphocyte antibodies in pairs of maternal and neonatal sera (Duchateau J et al), 117
intracytoplasmic, cells containing, in human cord blood (Sarfati M et al), 116
levels compared to methacholine bronchial reactivity in twins (Hopp R et al), 100
low, in allergic donors, leukocyte histamine release by antibodies to IgG, IgG1, IgG3, and IgG4 lacking in (Pleskow W et al), 94
-mediated radio contrast dye reactions, frequency (Sweeny MJ, Klotz SD), 147
–plasma cell generation, influence of sera and different stimuli on (Ko HS, O'Hene-Fianko D), 114
production, in vitro system (McGeady S, Mansmann HC Jr), 114
receptors, bridging of, on human mast cells, biochemical analysis of early membrane events induced by (Ishizaka T et al), 134
response(s) in Balb/c mice to *Dactylis glomerata* pollen inhibited by low doses of purified pollen component (Peltre G et al), 145
established, effects of antigen-monomethoxypolyethylene glycol on (Lang GM et al), 113
in human filariasis (Hussain R et al), 115
murine, to trimellitic anhydride, suppressed (Wei B-Y et al), 114
serum, RAST, and skin test responses, seasonal and yearly variations (Roitman-Johnson B et al), 110
venom-specific, detectable, insect-sting anaphylaxis in patients without (Clayton WF et al), 141
fall in: criterion for discontinuation of venom immunotherapy (Barde SH et al), 141
specific, in worker exposed to himic anhydride, in vitro demonstration (Gallagher JS et al), 157
suppressor cells, human, activated by defined IgE–anti-IgE immune complexes (Hassner A, Saxon A), 114
synthesis, de novo, by human blood mononuclear cells, dexamethasone effect on (Hemady Z et al), 113
increased, mechanisms in acute graft vs. host disease (Saryan JA et al), 143
in vitro induced by T cell factors from patients with elevated serum IgE levels (Ricci M et al), 113
regulation (Cooper DA et al), 144
spontaneous in vitro, regulation by autologous eczema and allogeneic nonatopic T cell subsets (Hemady Z et al), 143
suppressed by T cells, normal, in atopics' lymphocyte cultures (Cech DD et al), 144
ultrasensitive fluorometric immunoassay for (Underdown BJ et al), 122
IgG antibodies, pollen-specific, in tears (Ballow M et al), 123
and IgE antibody responses of beekeepers to components in honeybee venom (Nordvall SL et al), 120
anti-ragweed antigen E antibody, human, and rabbit anti–anti-ragweed antigen E antibody, ELISA for (Wang V et al), 123

IgG—Cont'd
serum, increase after splenectomy in common variable hypogammaglobulinemia and idiopathic thrombocytopenic purpura (Wray BB et al), 117
IgM, and IgE classes of antilymphocyte antibodies in pairs of maternal and neonatal sera (Duchateau J et al), 117
measurements, Hymenoptera-specific, usefulness (Gentlesk MJ et al), 121
synthesis, helper and suppressor effects of cord blood T lymphocytes on (Cheng H et al), 163
IgG_4 antibodies and bronchial challenge responses to Bermuda grass pollen extracts (Adler T et al), 151
serum concentration, and IgG_4-specific antibody levels as prognostic indicators in asthmatic children (Mauer KW et al), 97
IgM, IgG, and IgE classes of antilymphocyte antibodies in pairs of maternal and neonatal sera (Duchateau J et al), 117
Imipramine, topical, evaluated for treatment of seasonal allergic rhinitis and conjunctivitis (Halverson PC et al), 127
Immune complex(es) in exfoliative dermatitis (Robinson LD Jr et al), 106
IgE anti-HBs · HBsAg, in hepatitis B virus infection (Kohler PF et al), 164
IgE–anti-IgE, defined, activation of human IgE suppressor cells by (Hassner A, Saxon A), 114
–induced enterotherapy (Kirkham S et al), 102
response(s), human, to Hymenoptera venoms (Golden DBK et al), 140
reaginic, to *Alternaria* allergens in mice (Kuo CY et al), 160
relationship to purified ragweed antigens and HLA-DR system (Blumenthal M et al), 100
Immunization, allergic bronchial reactivity after (Smedegård et al), 102
Immunized rats and allergic humans, individual mite allergens in, similarity of specific IgE antibody responses (Björkstén B et al), 161
Immunodeficiency with abnormal T cell subsets, successful bone marrow transplant (Paschall VL et al), 117
humoral, gamma globulin dosage individualized in patients with (Schiff RI et al), 134
primary, patients with, T cells and subsets in large population of (Buckley RH et al), 133
severe combined, chimerism in, detected by HLA typing of fluorescence-activated sorted cells and of Epstein-Barr virus—derived B cell lines (Geha RS, Reinherz E), 140
with natural killer cell predominance: effects of bone marrow transplantation (Sindel LJ et al), 133
Immunoglobulin-bearing cells, surface, distribution from peripheral blood and bronchial alveolar lavage in common variable hypogammaglobulinemia (Goodman M et al), 133
Immunomodulating agent, cimetidine, in AIDS (Ahuja K et al), 132
effects of terbutaline sulfate on antibody response of adult rats (Frederick RJ et al), 125
Immunomodulation with isoprinosine in AIDS (Manvar D et al), 133
Immunoregulation abnormalities in Evans syndrome (Herrod HG, Wang W), 139
Immunoregulatory cells, measles vaccination effect on (Peirsol JM, Frick OL), 139
defect, in vitro, correction in atopic subjects by immunostimulating drug Fanetizole mesylate (Matloff S et al), 139
Immunostimulating drug Fanetizole mesylate, in vitro immunoregulatory defect in atopic subjects corrected by (Matloff S et al), 139
Immunotherapy, accelerated, for grass pollen–induced asthma (Nelson BL et al), 92
for *Alternaria*-induced asthma, modification of late asthmatic responses during (Metzger WJ et al), 119
Immunotherapy—Cont'd
double-blind trial of, in cat-induced asthma: in vitro responses (Leitermann KM et al), 91
in cat-induced asthma: in vivo responses (Ohman JL Jr), 91
of grass allergy, polymerized whole grass for, double-blind histamine placebo–controlled trial (Grammer LC et al), 91
pollen, clinical and immunologic effects, double-blind, placebo-controlled study (Pastorello E et al), 119
local nasal, for allergic rhinitis with polymerized ragweed extract (Nickelsen JA et al), 118
for grass-allergic rhinitis (Georgitis JW et al), 92
rush, in mite allergy, clinical and immunological evaluation (Bousquet J et al), 91
successful, for *Triatoma protracta*–induced anaphylaxis (Rohr AS et al), 119
venom, in children, prolonged, immunologic effects (Graft DF et al), 140
discontinuation of, fall in serum venom-specific IgE criterion for (Barde SH et al), 141
Indomethacin and antibiotics, effects on neutrophil chemiluminescence (de la Cruz A et al), 111
Infancy, no increase in cow's milk sensitization after delayed ingestion in (Mellon M et al), 98
Infant(s), effect of placental transfer of theophylline at term (Schatz M et al), 130
and newborns, skin test reactivity in (Ménardo J-L et al), 110
and young children, absorption characteristics of new sustained-release theophylline sprinkle for (Howick J et al), 130
Inhalation of methacholine vs. treadmill exercise, mediator release after bronchospasm induced by (Harvey RP et al), 142
techniques, aerosol, compared (Unzeitig J et al), 150
Insect(s) allergy, all children with, needing venom therapy (Schuberth KC et al), 140
-sting anaphylaxis in patients without detectable serum venom-specific IgE (Clayton WF et al), 141
stinging, natural history of large local reactions to (Mauriello PM et al), 121
Inspiratory flow rate regulation, effect on human airways response to methacholine aerosol (Laube BL et al), 142
Insulin allergy, desensitization with human insulin for therapy of (Chamovitz A et al), 112
Interferon, serum levels and production, in common variable immunodeficiency and selective IgA deficiency (Björkander J et al), 164
Intracytoplasmic IgE, cells containing, in human cord blood (Sarfati M et al), 116
Iron overload as result of transfusion therapy in adenosine deaminase deficiency (Hopp R et al), 118
Isoallergens Ra5A and Ra5B, ragweed pollen, structure and function relationship (Roebber M et al), 162
Isocapnic hyperventilation test, simplified (Phillips YY et al), 107
Isoprinosine, immunomodulation with, in AIDS (Manvar D et al), 133

K

K-carrageenan stimulating superoxide production by human neutrophils without depolarizing membrane or secreting myeloperoxidase (Brestel EP et al), 109
Kaposi's sarcoma, responder Leu 3^+ T cells deficiency in AMLR in (Gupta S, Safai B), 132
Ketotifen, oxatomide, and Ro 22-3747, comparative mechanism of action (Welton AF et al), 124

L

Late asthmatic reactions, exercise-induced (Nagakura T et al), 152
responses modified during immunotherapy for *Alternaria*-induced asthma (Metzger WJ et al), 119
cutaneous reactions, thromboxane synthesis in, after allergen skin tests (Ring J et al), 111

Late—Cont'd
-onset skin and bronchial responses to pollen antigen (Zweiman B et al), 150
Lectin-pollen interactions (Klemawesch SJ, Buckley CE), 161
Leukocyte(s) adrenergic receptors and cyclic AMP responses in asthma and allergic rhinitis (Marinetti GV et al), 90
of asthmatics, enhanced production of slow-reacting substance in (Yang C et al), 153
basophil, human nasal mucosa mast cells from histochemical differentiation (Jalowayski AA et al), 89
cyclic AMP levels, in vitro effects of aqueous field-dried cotton bract extract on (O'Neil CE et al), 106
histamine release by antibodies to IgG, IgG1, IgG3, and IgG4, lacking in allergic donors with low IgE levels (Pleskow W et al), 94
basophilic, enhanced, to concanavalin A in allergic rhinitis (Busse WW et al), 104
protein A–induced (Radermecker M et al), 134
polymorphonuclear, chemotactic defects in children with sickle cell anemia (Kaur P et al), 109
Leukotriene B_4, C_4, and D_4 generation by human eosinophils (Henderson WR et al), 138
C_4, bioconversion to leukotriene D_4 no prerequisite for spasmogenic activity (Krilis S et al), 154
E_4 and platelet-activating factor in vivo, pharmacologic properties compared (O'Donnell M et al), 145
-mediated allergic bronchospasm inhibited by azelastine (oral antiasthmatic drug) (Chand N et al), 149
production by human peripheral blood mononuclear cells, decreased after aspirin ingestion (Leftwich RB et al), 153
Ligands, immunologic and nonimmunologic, stimulating flavonoid inhibition of human basophil histamine release (Middleton E Jr, Drzewiecki G), 94
Lodoxamide, multiple doses, tachyphylaxis in asthmatics receiving before exercise challenge (Brooks CD et al), 126
and nifedipine effects and allergen bronchial challenge (Parrish RW, Davies BH), 152
Lung(s) disease in workers exposed to hexamethylene diisocyanate, immunologic evaluation (Zeiss CR et al), 157
fragments, human, immunologically challenged, release of high molecular weight neutrophil chemotactic activity (O'Driscoll BR et al), 146
rodent, mast cell appearance and localisation after immunisation (Ahlstedt S et al), 103
Lymph nodes of immunized mice, mast cell clone derived from (Razin E et al), 103
Lymphocytes, B, human EBV-transformed, antigen presentation by (Chu E et al), 108
human, subpopulations, differential effects of cyclosporin A on (Laatikainen A et al), 163
cultures of atopics, IgE synthesis suppressed by normal T cells in (Cech DD et al), 144
phenotypes, synovial, in inflammatory arthritis of X-linked agammaglobulinemia (Warren RW et al), 164
rat, DNA synthesis in vitro, in vivo effects of beta agonist terbutaline on (Serio CS et al), 126
subpopulations in cystic fibrosis patients (Schiano CM et al), 163
T, cord blood, helper and suppressor effects on IgG synthesis (Cheng H et al), 163

M

Mast cell(s) and basophils, histamine release from, hyperosmolar and IgE-induced, interaction, 93
histamine release, stimulation by human eosinophil granule major basic protein (O'Donnell MC et al), 138
clone derived from lymph nodes of immunized mice (Razin E et al), 103
granule–associated suppressor factor, not histamine, identification (Frieri M, Metcalfe DD), 109
Mast cell(s)—Cont'd
ingested by fibroblasts, degradation, effect of ingestion on fibroblast proliferation and chondroitin sulfate synthesis (Atkins FM, Metcalfe DD), 103
human, IgE receptors on, biochemical analysis of early membrane events induced by bridging of (Ishizaka T et al), 134
nasal mucosa, from basophil leukocytes, histochemical differentiation (Jalowayski AA et al), 89
serosal, isolation and purification (Schaefer PA et al), 134
from immunized mouse lymph nodes, characterization of a clone (Razin E et al), 103
nasal mucosal, anatomical study (Friedman MM et al), 89
rat serosal, carboxypeptidase A from (Du Buske L et al), 135
in rodent lungs, appearance and localisation after immunisation (Ahlstedt S et al), 103
role lacking in aspirin-sensitive asthma, plasma mediator studies (Simon R et al), 146
Maternal and neonatal sera, antilymphocyte antibodies of IgG, IgM, and IgE classes in pairs of (Duchateau J et al), 117
Mealworm asthma, new occupational disease (Bernstein DI et al), 158
Measles vaccination effect on immunoregulatory cells (Peirsol JM, Frick OL), 139
virus, live attenuated, effect on newborn neutrophil function (Riesberg N et al), 116
Mediator release after antigenic nasal challenge (Naclerio RM et al), 89
after induction of bronchospasm by inhalation of methacholine vs. treadmill exercise (Harvey RP et al), 142
-releasing cells, hypersensitivity of, in allergic bronchopulmonary aspergillosis and basophil histamine release (Ricketti AJ et al), 97
Methacholine aerosol, human airways response to, effect of inspiratory flow rate regulation (Laube BL et al), 142
bronchial reactivity to IgE levels compared in twins (Hopp R et al), 100
degradation, rate under various storage conditions (Rosenfeld JM et al), 142
increased bronchial responsiveness to, in rhinitis, diagnostic significance (Ramsdale EH et al), 143
inhalation vs. treadmill exercise, mediator release after bronchospasm induced by (Harvey RP et al), 142
challenge test, usefulness of V50 in interpretation of (Imber WE et al), 107
provocative concentration causing 20% fall in FEV_1 in normal population, reference values (Malo J-L et al), 142
Methylprednisolone kinetics, effect of erythromycin base on (Szefler SJ et al), 125
nebulized, inhalation in asthma (Coifman RE), 125
and troleandomycin in steroid-resistant asthmatic children, efficacy and safety (Eitches RW et al), 124
Methylxanthines interacting with beta-adrenergic agonists in rats (Whitehurst VE et al), 123
Microbial aerosol stimulation, efficacy on plasmocytes of bronchial mucosa (Latil F et al), 151
Micropolysporum faeni, antibodies against, in serum and bronchial lavage fluid from asymptomatic farmers (Hébert J et al), 109
Microvascular response to platelet-activating factor (Björk J, Smedegård G), 145
Milk, breast, milk-specific antibodies in, and infantile allergy (Machtinger S et al), 98
cow's, no increase in sensitization after delayed ingestion in infancy (Mellon M et al), 98
-specific antibodies in breast milk and infant allergy (Machtinger S et al), 98
Mite allergens, individual, similarity of specific IgE antibody responses in immunized rats and allergic humans (Björkstén B et al), 161

Mite—Cont'd
allergy, rush immunotherapy in, clinical and immunological evaluation (Bousquet J et al), 91
house dust, allergens of (Prentice R et al), 162
Mitogen, pollen, IgE antibody response in mice enhanced by (Charpin J, Anfosso F), 115
Molds, gravity slide and Rotorod methods of particle counting compared (Suelzer MT et al), 101
Monkey dander asthma (Petry R et al), 106
Monoclonal antibody(ies) to Alt-I and use in affinity chromatography (Agarwal MK et al), 160
analysis of grass group I allergens using (Kahn CR, Marsh DG), 95
of human tonsillar IgE biosynthesis in vitro (Ohta K et al), 144
murine, recognizing IgE determinants on rye cytochrome c (Ekramoddoullah AKM et al), 96
Monocyte and neutrophil activation during exercise-induced asthma (Kay AB et al), 146
Mononuclear cell(s), human blood, dexamethasone effect on de novo IgE synthesis by (Hemady Z et al), 113
histamine H_1 receptors (Wescott S, Kaliner M), 99
peripheral blood, decreased leukotriene production after aspirin ingestion (Leftwich RB et al), 153
Monosodium glutamate–induced asthma (Allen DH et al), 98
Moth scale allergy (Coghlan TH et al), 159
Mountain cedar pollinosis, natural history (Ramirez DA), 137
Mouse(mice), *Alternaria* allergens in, reaginic immune responses to (Kuo CY et al), 160
Balb/c, IgE response to *Dactylis glomerata* pollen inhibited by low doses of purified pollen components (Peltre G et al), 145
delayed-type hypersensitivity, cellular cooperation in in vivo expression of (Scovern H, Kantor FS), 108
IgE responses to trimellitic anhydride, suppressed (Wei B-Y et al), 114
immunized, mast cell clone derived from lymph nodes of (Razin E et al), 103
monoclonal and human IgE antibodies recognizing determinants on rye cytochrome c (Ekramoddoullah AKM et al), 96
Mouthbreathers, allergic, vs. nosebreathers, nonallergic, aberrant facial growth in (Shapiro GG et al), 155
Mucosa, bronchial, plasmocytes of, efficacy of microbial aerosol stimulation on (Latil F et al), 151
nasal, cytology, nasal biopsy evaluation of effect of topical corticosteroids on (Jalowayski AA et al), 90
mast cell(s), human nasal, from basophil leukocytes, histochemical differentiation (Jalowayski AA et al), 89
nasal, anatomical study (Friedman MM et al), 89
Mucus release, nasal, in vitro (Patow CA et al), 89
Murine; *see* Mouse(Mice)
Mushroom worker's lung caused by *Plenrotus sapidus* (Yeh S), 136
Myeloperoxidase, K-carrageenan stimulating superoxidase production by human neutrophils without secreting (Brestel EP et al), 109

N

Nasal biopsy evaluation of effect of topical corticosteroids on nasal mucosa cytology (Jalowayski AA et al), 90
blood flow responses to nasal provocation (Druce H et al), 90
challenge(s), antigenic, mediator release after (Naclerio RM et al), 89
with pollen, ragweed-sensitive patients characterized by (Creticos PS et al), 90
provocative, eustachian tube obstruction after (Ackerman M et al), 155
immunotherapy, local, for allergic rhinitis with polymerized ragweed extract (Nickelsen JA et al), 118
for grass-allergic rhinitis (Georgitis JW et al), 92
Nasal—Cont'd
mucosa cytology, nasal biopsy evaluation of effect of topical corticosteroids on (Jalowayski AA et al), 90
mast cell(s), anatomical study (Friedman MM et al), 89
human, from basophil leukocytes, histochemical differentiation (Jalowayski AA et al), 89
mucus release in vitro (Patow CA et al), 89
patency, assessed by energy cost of nose-breathing (Pierson WE et al), 156
polyp(s) and human eosinophil arachidonic acid metabolism, compared (Smith DM et al), 154
sinusitis, and bronchial asthma, sphenoethmoidectomy in treatment of (Slavin RG et al), 156
response, late, to pigeon dropping challenge: possible nasal form of Pigeon breeder's disease (Pelikan M, Pelikan Z), 154
Natural killer cell predominance in severe combined immunodeficiency, effects of bone marrow transplantation (Sindel LJ et al), 133
Neonatal and maternal sera, antilymphocyte antibodies of IgG, IgM, and IgE classes in pairs of (Duchateau J et al), 117
Neutralization therapy, bronchoprovocation blocked by (Boris M et al), 92
Neutrophil(s) chemiluminescence, effects of various antibiotics and indomethacin on (de la Cruz A et al), 111
chemotactic activity, high molecular weight, release from immunologically challenged human lung fragments (O'Driscoll BR et al), 146
function, newborn, effect of live attenuated measles virus on (Riesberg N et al), 116
human, superoxide production by, K-carrageenan stimulating without depolarizing membrane or secreting myeloperoxidase (Brestel EP et al), 109
and monocyte activation during exercise-induced asthma (Kay AB et al), 146
Newborn(s) and infants, skin test reactivity in (Ménardo J-L et al), 110
neutrophil function, effect of live attenuated measles virus on (Riesberg N et al), 116
NIAID Collaborative Clinical Trial of Skin Testing, interim results with major and minor penicillin derivatives in hospitalized adults (Sogn DD et al), 147
Nickel antibodies reacting with Ni^{2+}/HSA complex (Evans S et al), 158
Nifedipine inhibition of human basophil histamine release (Bedard RM, Busse WW), 104
and lodoxamide effects and allergen bronchial challenge (Parrish RW, Davies BH), 152
safety in asthma and chronic obstructive lung disease (Nair N et al), 149
Nosebreathers, nonallergic, vs. mouthbreathers, allergic, aberrant facial growth in (Shapiro GG et al), 155
Nosebreathing, energy cost of, assessment of nasal patency by (Pierson WE et al), 156

O

Ocular anaphylaxis, conjunctival edema test for assessing (Allansmith MR et al), 102
Oleandomycin, direct effects on histamine release in human basophils (Mendoza GR et al), 135
Ouabain, inhaled, bronchoconstrictor and bronchodilator response to different doses in asthmatics (Agarwal KP et al), 151
Oxatomide, ketotifen, and Ro 22-3747, comparative mechanism of action (Welton AF et al), 124
Oxotremorine effect on platelet function (Balentine LT et al), 99

P

Particle counting with gravity slide and Rotorod methods for molds, compared (Suelzer MT et al), 101

PBL of patients allergic to ragweed, PEG-modified ragweed assessed by in vitro challenge with (Perelmutter L, Larocque P), 118
Peak flow whistle, newly redesigned (Goldstein S et al), 124
Peanut allergens detected by crossed radioimmunoelectrophoresis (Bush R et al), 95
PEG-modified ragweed assessed by in vitro challenge of PBL of patients allergic to ragweed, using reverse hemolytic plaque assay (Perelmutter L, Larocque P), 118
Penicillin derivatives, major and minor, skin-tested in hospitalized adults, interim results in NIAID Collaborative Clinical Trial of Skin Testing (Sogn DD et al), 147
Pepsin, occupational asthma due to (Pineau L et al), 158
Peptic fragments of dietary antigen, pretreatment with, inducing systemic tolerance (Bloch KJ et al), 162
Peripheral blood mononuclear cells, human, decreased leukotriene production after aspirin ingestion (Leftwich RB et al), 153
Pharmacokinetic(s) and antipruritic effect of hydroxyzine in children with atopic dermatitis (Simons FER et al), 150
and bronchodilator effects of caffeine in asthma (Becker AB et al), 131
evidence, computer-assisted, that theophylline-induced bronchodilatory response varies with, lags behind fluctuations in serum theophylline levels (Baker J et al), 131
theophylline, in asthmatic children, effect of erythromycin base on (LaForce CF et al), 131
Phenobarbital, hypersensitivity reactions to (Satayaviboon S et al), 112
Pigeon dropping challenge, late nasal response to: possible nasal form of pigeon breeder's disease (Pelikan M, Pelikan Z), 154
Placental transfer of theophylline at term and effect on infant (Schatz M et al), 130
Plasma cell–IgE generation, influence of sera and different stimuli on (Ko HS, O'Hene-Fianko D), 114
mediator studies in aspirin-sensitive asthma: lack of role for mast cell (Simon R et al), 146
Plasmocytes of bronchial mucosa, efficacy of microbial aerosol stimulation on (Latil F et al), 151
Platelet-activating factor and leukotriene E_4, in vivo pharmacologic properties compared (O'Donnell M et al), 145
microvascular response to (Björk J, Smedegård G), 145
platelet-dependent contraction of human bronchus by (Schellenberg RR et al), 145
function, oxotremorine effect on (Balentine LT et al), 99
Plenrotus sapidus, mushroom worker's lung caused by (Shihtai Yeh), 136
Pneumocyte cytolysis caused by eosinophilic major basic protein (Ayars GH et al), 139
Pollen(s) antigen, late onset bronchial and skin responses (Zweiman B et al), 150
Dactylis glomerata, IgE response in Balb/c mice to, inhibited by low doses of purified pollen component (Peltre G et al), 145
extracts, Bermuda grass, IgG_4 antibodies and bronchial challenge responses to (Adler T et al), 151
-free aerosol fractions, airborne ragweed antigen in (Solomon WR et al), 100
grains, grass, time-dependent release of allergens from (Maasch HJ et al), 106
grass, immunotherapy, clinical and immunologic effects, double-blind, placebo-controlled study (Pastorello E et al), 119
-induced asthma, grass, accelerated immunotherapy for (Nelson BL et al), 92
-lectin interactions (Klemawesch SJ, Buckley CE), 161
mitogen, IgE antibody response in mice enhanced by (Charpin J, Anfosso F), 115
nasal challenge with, ragweed-sensitive patients characterized by (Creticos PS et al), 90
Pollen—Cont'd
ragweed, isoallergens Ra5A and Ra5B, structure and function relationship (Roebber M et al), 162
-specific IgG antibodies in tears (Ballow M et al), 123
Urticaceae, cross-allergenicity among (Hewitt B et al), 105
Pollinosis, mountain cedar, natural history (Ramirez DA), 137
Polymorphonuclear leukocyte chemotactic defects in children with sickle cell anemia (Kaur P et al), 109
Polyp(s), nasal, arachidonic acid and human eosinophil metabolism, compared (Smith DM et al), 154
sinusitis, and bronchial asthma, sphenoethmoidectomy in treatment of (Slavin RG et al), 156
Prednisone effect on T lymphocyte subpopulations (Schuyler MR et al), 115
Prick and titration intradermal skin tests and RAST, reevaluation of (Walsh G et al), 110
Procaterol, new long-acting oral beta agonist, placebo-controlled trial in asthma (Siegel S et al), 125
Prostaglandin(s) influence on basophil releasability from atopic and normal individuals (von der Helm D et al), 105
synthesis in vitro, suppression by cromolyn sodium (Choo IBL, Ong KS), 153
Protein A–induced leukocytic histamine release (Radermecker M et al), 134
allergens, basic, in *Alternaria* allergy (Grant W et al), 96
Charcot-Leyden crystal, and eosinophil granule major basic protein in sputum of patients with respiratory diseases (Dor PJ et al), 112
major basic, of eosinophil granule, contained in human basophils (Ackerman SJ et al), 93
localization in chronic urticaria (Peters MS et al), 138
stimulation of basophil and mast cell histamine release by (O'Donnell MC et al), 138
eosinophilic, causing pneumocyte cytolysis (Ayars GH et al), 139
maps of venom and venom protein extracts (Wood CL et al), 121
Pulmonary function in asthmatic children, antihistamines adversely affecting (Schuller DE), 147
change, calcium ionophore–induced, in guinea pig (Esterman MA, Ho PK), 101

R

Ra5A and Ra5B isoallergens, ragweed pollen, structure and function relationship (Roebber M et al), 162
Rabbit anti–anti-ragweed antigen E antibody, ELISA for (Wang V et al), 123
Radioimmunoassay, histamine determination by (Haydik I), 152
Radioimmunoelectrophoresis and RAST compared in measuring IgE binding of egg allergens (Hoffman DR), 122
Ragweed antigen(s), airborne, in pollen-free aerosol fractions (Solomon WR et al), 100
and HLA-DR system, relationship to immune response (Blumenthal M et al), 100
extract, polymerized, local nasal immunotherapy for allergic rhinitis with (Nickelsen JA et al), 118
human IgG and IgE antigen E antibody against, and rabbit anti-anti-ragweed antigen E antibody, ELISA for (Wang V et al), 123
PEG-modified, assessed by in vitro challenge of PBL of patients allergic to ragweed, using reverse hemolytic plaque assay (Perelmutter L, Laroque P), 118
pollen isoallergens Ra5A and Ra5B, structure and function relationship (Roebber M et al), 162
-sensitive patients characterized by nasal challenge with pollen (Creticos PS et al), 90
short, high- and low-potency extracts compared in treatment of hay fever (Turkeltaub PC et al), 118
RAST kits, commercial, radiolabeled, comparison study (Bergeron M, Perelmutter L), 122
modified, for detecting IgE antibodies to different allergens simultaneously (Jacob GL et al), 122

RAST—Cont'd
and prick and titration intradermal skin tests, reevaluation of (Walsh G et al), 110
and radioimmunoelectrophoresis compared in measuring IgE binding of egg allergens (Hoffman DR), 122
serum IgE, and skin test responses, seasonal and yearly variations (Roitman-Johnson B et al), 110
skin, and double-blind placebo-controlled challenge food tests in children with atopic dermatitis, results compared (Sampson HA, Albergo R), 129
reactions to shellfish antigens (Waring NP et al), 111
studies of allergy to imported fire ant *(Solenopsis invicta)* (Johansson SGO, Lockey RF), 138
Rat(s), adult, immunomodulating effects of terbutaline sulfate on antibody response (Frederick RJ et al), 125
allergic bronchial reactivity after immunization (Smedegård et al), 102
cutaneous early- and late-phase reactions, effects of antihistamines on (Lemanske R et al), 136
immunized, and allergic humans, similarity of specific IgE antibody responses to individual mite allergens in (Björkstén B et al), 161
lymphocyte DNA synthesis in vitro, in vivo effects of beta agonist terbutaline on (Serio CS et al), 126
methylxanthines interacting with beta-adrenergic agonists in (Whitehurst VE et al), 123
parentally immunized, partial systemic tolerance induced after prolonged oral antigen (Perry RP et al), 117
serosal mast cells, carboxypeptidase A from (Du Buske L et al), 135
urinary allergens and dust mite compared: airborne allergens associated with asthma (Platts-Mills TAE et al), 157
Reactive airways disease in children, induced, associated with chronic sinus disease (Rachelefsky G et al), 156
Reaginic immune responses to *Alternaria* allergens in mice (Kuo CY et al), 160
Receptors; *see* specific receptors
Respiratory allergies, exacerbation, related to automobile air conditioners: immunologic studies (Kumar P et al), 137
diseases, Charcot-Leyden crystal protein and eosinophil granule major basic protein in sputum of patients with (Dor PJ et al), 112
effects of formaldehyde and UFFI off-gas after controlled exposure (Day JH et al), 159
Responder Leu 3^+ T cells, deficiency in AMLR in Kaposi's sarcoma (Gupta S, Safai B), 132
Rhinitis, allergic; *see* Allergic rhinitis
or asthma, antigen inhalation–induced systemic increases in histamine and chemotactic activity levels in (Atkins P et al), 151
increased bronchitis responsiveness to methacholine in, diagnostic significance (Ramsdale EH et al), 143
Rhinosinusitis, aspirin-sensitive, without asthma: clinical syndrome and effects of aspirin administration (Lumry WR et al), 157
/asthma, aspirin-sensitive, treatment with aspirin (Stevenson DD et al), 156
Ro 22-3747, oxatomide, and ketotifen, comparative mechanism of action (Welton AF et al), 124
Roach allergens, immunoelectrophoretic studies (Anderson MC et al), 105
Rodent lung mast cells, appearance and localisation after immunisation (Ahlstedt S et al), 103
Rotorod and gravity slide methods of particle counting for molds, compared (Suelzer MT et al), 101
Rye cytochrome c determinants recognized by human IgE and murine monoclonal antibodies (Ekramoddullah AKM et al), 96
Ryegrass–positive atopic patients, T-cell subpopulations in (Fuchs H, Ong KS), 164
Sensitization, beekeepers', clinical and immunologic surveys (Michel F-B et al), 120
passive, of human blood basophils (Pruzansky J et al), 93
Serosal mast cells, human, isolation and purification (Schaefer PA et al), 134
rat, carboxypeptidase A from (Du Buske L et al), 135
Serum(a) and bronchial lavage fluid from asymptomatic farmers, antibodies against *Micropolysporum faeni* in (Hébert J et al), 109
and different stimuli, influence on IgE–plasma cell generation (Ko HS, O'Hene-Fianko D), 114
but not IgE ab, basophil accumulation locally transferred with, in allergen-induced lesions (Mitchell EB et al), 129
levels and production of interferon in common variable immunodeficiency and selective IgA deficiency (Björkander J et al), 164
maternal and neonatal pairs, antilymphocyte antibodies of IgG, IgM, and IgE classes in (Duchateau J et al), 117
theophylline levels, fluctuations, and theophylline-induced bronchodilatory response (Baker J et al), 131
venom–specific IgE, fall in: criterion for discontinuation of venom immunotherapy (Barde SH et al), 141
IgE, patients without, insect-sting anaphylaxis in (Clayton WF et al), 141
Shellfish antigens, RAST and skin reactions to (Waring NP et al), 111
Sickle cell anemia, polymorphonuclear leukocyte chemotactic defects in children with (Kaur P et al), 109
T lymphocyte regulation of erythroid colonies in (Kaur P et al), 108
Sinus disease, chronic, with associated induced reactive airways disease in children (Rachelefsky G et al), 156
Sinusitis, bacterial, exacerbating asthma (Friedman R et al), 155
nasal polyps, and bronchial asthma, sphenoethmoidectomy in treatment of (Slavin RG et al), 156
Skin and bronchial responses, late onset, to pollen antigen (Zweiman B et al), 150
RAST, and double-blind placebo-controlled challenge food tests in children with atopic dermatitis, results compared (Sampson HA, Albergo R), 129
and RAST reactions to shellfish antigens (Waring NP et al), 111
test(s), allergen, thromboxane synthesis in late cutaneous reactions after (Ring J et al), 111
assay, parallel-line, and cat 1 content for determining relative potency of cat allergens, compared (Baer H et al), 160
RAST, and serum IgE responses, seasonal and yearly variations (Roitman-Johnson B et al), 110
reactivity in newborns and infants (Ménardo J-L et al), 110
testing with major and minor penicillin derivatives in hospitalized adults, interim results in NIAID Collaborative Clinical Trial of Skin Testing (Sogn DD et al), 147
Slow-reacting substance, enhanced production in leukocytes of asthmatics (Yang M et al), 153
Smooth muscle, airway, contractile responses, ergonovine effects on (Louie SJ et al), 126
human nonadrenergic inhibition (Taylor SM, Schellenberg RR), 99
strips, canine tracheal, adenosine-theophylline interactions in (Krzanowski JJ et al), 131
SO_2 derived from bronchodilator solutions (Koepke JW et al), 147
Sodium cromoglycate, therapeutic modification of nonspecific hyperreactivity by (Rak S et al), 149
Spasmogenic activity, leukotriene C_4 bioconversion to leukotriene D_4 no prerequisite for (Krilis S et al), 154
Sphenoethmoidectomy in treatment of nasal polyps, sinusitis, and bronchial asthma (Slavin RG et al), 156
Sporobolomyces as new cause of extrinsic allergic alveolitis (Cockcroft DW et al), 137
Sputum of patients with respiratory diseases, Charcot-Leyden crystal protein and cosinophil granule major basic protein in (Dor PJ et al), 112

Status asthmaticus in childhood, efficacy of corticosteroids in (Gerber PS et al), 150
Steroid-resistant asthmatic children, efficacy and safety of troleandomycin and methylprednisolone in (Eitches RW et al), 124
Stinging insects, natural history of large local reactions to (Mauriello PM et al), 121
Suppressor cells, human IgE, activated by defined IgE–anti-IgE immune complexes (Hassner A, Saxon A), 114
factor, mast cell granule–associated, not histamine, identification (Frieri M, Metcalfe DD), 109
Superoxide production by human neutrophils, K-carrageenan stimulating without depolarizing membrane or secreting myeloperoxidase (Brestel EP et al), 109
Synovial lymphocyte phenotypes in inflammatory arthritis of X-linked agammaglobulinemia (Warren RW et al), 164
Systemic lupus erythematosus, cross-reacting antibody to alfalfa seed and DNA in (Bardana EJ et al), 102

T

T cell(s) clone releasing allergen-specific suppressive factor for IgE antibody synthesis (Anfosso F, Charpin J), 116
factors from patients with elevated serum IgE levels, in vitro IgE synthesis induced by (Ricci M et al), 113
normal, in atopics' lymphocyte cultures, IgE synthesis suppressed by (Cech DD et al), 144
responder Leu 3^+, deficiency in AMLR in Kaposi's sarcoma (Gupta S, Safai B), 132
subpopulations in ryegrass–positive atopic patients (Fuchs H, Ong KS), 164
subsets, abnormal, immunodeficiency with, successful bone marrow transplant (Paschall VL et al), 117
allogeneic nonatopic, and autologous eczema, regulation of spontaneous in vitro IgE synthesis by (Hemady Z et al), 143
in large population of primary immunodeficiency patients (Buckley RH et al), 133
lymphocytes, cord blood, helper and suppressor effects on IgG synthesis (Cheng H et al), 163
regulation of erythroid colonies in sickle cell anemia (Kaur P et al), 108
subpopulations, hepatitis B vaccine effect, in vitro (Ahdieh H et al), 132
prednisone effect on (Schuyler MR et al), 115
Tachyphylaxis in asthmatics receiving multiple doses of lodoxamide before exercise challenge (Brooks CD et al), 126
Tears, pollen-specific IgG antibodies in (Ballow M et al), 123
sulfate, immunomodulating effects on antibody response of adult rats (Frederick RJ et al), 125
Terbutaline, beta agonist, in vivo effects on rat lymphocyte DNA synthesis in vitro (Serio CS et al), 126
Tetanus toxoid as test antigen for delayed cutaneous hypersensitivity (Delafuente JC et al), 111
Theophylline-adenosine interactions in canine tracheal smooth muscle strips (Krzanowski JJ et al), 131
vs. cromolyn sodium in outpatient management of childhood asthma (Furukawa CT et al), 130
disposition in children taking oral corticosteroids (Glasofer ED et al), 132
-induced bronchodilatory response varies with, lags behind fluctuations in serum theophylline levels, computer-assisted pharmacokinetic evidence (Baker J et al), 131
new sustained-release sprinkle, absorption characteristics for infants and young children (Howick J et al), 130
pharmacokinetics in asthmatic children, effect of erythromycin base (LaForce CF et al), 131
placental transfer at term and effect on infant (Schatz M et al), 130
Thrombocytopenic purpura, idiopathic, increase in serum IgG and IgE after splenectomy in (Wray BB et al), 117
Thromboxane synthesis in late cutaneous reactions after allergen skin tests (Ring J et al), 111
Thromboxane B_2 responses to antigen challenge (Morris HG et al), 154
Titration intradermal and prick skin tests and RAST, reevaluation of (Walsh G et al), 110
Tolerance induction to allergens in utero in man (Glovsky MM et al), 92
partial systemic, induced in parenterally immunized rats by prolonged oral antigen (Perry RP et al), 117
systemic, to dietary antigen, induced by pretreatment with its peptic fragments (Bloch KJ et al), 162
Tonsillar IgE biosynthesis in vitro, human, analysis with monoclonal antibodies (Ohta K et al), 144
Topical corticosteroids, effect on nasal mucosa cytology, nasal biopsy evaluation (Jalowayski AA et al), 90
Tracheal smooth muscle strips, canine, adenosine-theophylline interactions in (Krzanowski JJ et al), 131
Treadmill exercise vs. methacholine inhalation, mediator release after induction of bronchospasm (Harvey RP et al), 142
Triatoma protracta–induced anaphylaxis, successful immunotherapy for (Rohr AS et al), 119
Trimellitic anhydride, suppression of murine IgE responses to (Wei B-Y et al), 114
Troleandomycin and methylprednisolone in steroid-resistant asthmatic children, efficacy and safety (Eitches RW et al), 124
Twins, atopic, concordances in (Bahna SL), 100
atopy in (Bonini S et al), 100
IgE levels compared to methacholine bronchial reactivity in (Hopp R et al), 100

U

UFFI off-gas and formaldehyde after controlled exposure, respiratory effects (Day JH et al), 159
Urinary allergens, rat, and dust mite compared: airborne allergens associated with asthma (Platts-Mills TAE et al), 157
Urine histamine after intravenous contrast media (Dyer J et al), 148
Urticaceae pollens, cross-allergenicity among (Hewitt B et al), 105
Urticaria and angioedema, chronic, outcome of 83 adults with (Pécoud AR, Genton C), 128
of patients with (Smith L et al), 128
chronic, localization of eosinophil granule major basic protein in (Peters MS et al), 138
in patients with high-titer antimicrosomal antibodies (Desai AK et al), 128
systemic cold, and cold-dependent dermatographism in cold-induced hives (Kaplan AP), 129

V

V50, usefulness in interpretation of methacholine inhalation test (Imber WE et al), 107
Venom(s) antigens, purified, of hornets, yellowjackets, and wasps, cross-reactivity (King TP), 121
fire ant, hypersensitivity (Paull BR et al), 101
honeybee, beekeepers' IgG and IgE antibody responses to components in (Nordvall SL et al), 120
Hymenoptera, human immune response to (Golden DBK et al), 140
immunotherapy in children, prolonged, immunologic effects (Graft DF et al), 140
-specific IgE, serum, detectable, insect-sting anaphylaxis in patients without (Clayton WF et al), 141
fall in: criterion for discontinuation of venom immunotherapy (Barde SH et al), 141
Study, Hymenoptera, safety 9/30/82 (Lockey R et al), 141
treatment results, 9/30/82 (Peppe BC et al), 120
therapy, all children with insect allergy needing (Schuberth KC et al), 140
and venom protein extracts, protein maps (Wood CL et al), 121

Vibration-induced nonfamilial angioedema (Ting S et al), 129
Virus infection, hepatitis B, IgE anti-HBa · HBsAg immune complexes in (Kohler PF et al), 164
measles, live attenuated, effect on newborn neutrophil function (Riesberg N et al), 116

W

Wasps, yellowjackets, and hornets, cross-reactivity of purified venom antigens (King TP), 121

X

X-linked agammaglobulinemia, synovial lymphocyte phenotypes in inflammatory arthritis of (Warren RW et al), 164

Y

Yellowjackets, hornets, and wasps, cross-reactivity of purified venom antigens (King TP), 121